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PTO/SB/17 (10-03)
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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

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TOTAL	AMOUNT	OF PAYME	N٦

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	Complete if Known	
Application Number	10/747,974	
Filing Date	December 30, 2003	
First Named Inventor	George M Levinson	
Examiner Name	(TBA)	
Art Unit	(TBA)	
Attorney Docket No.	06335.00007	

MET	THOD OF PAYME	NT (check all that apply)					FEE C	ALCULATION (continued)	
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Account	19-0733			1051	130	2051	65	Surcharge - late filing fee or oath	
Number		1		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Deposit				1053	130	1053	130	Non-English specification	
Account	Banner & V	Vitcoff, LTD.		1812	2,520	1812	2,520	For filing a request for reexamination	
Name The Director is au	thorized to: (che	ack all that apply)		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
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		xcept for the filing fee		1251	110	2251	55	Extension for reply within first month	
to the above-identif		ULATION		1252	420	2252	210	Extension for reply within second month	
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		esign filing fee	-	1402	330	2402	165	Filing a brief in support of an appeal	
		ant filing fee	┨	1403	290	2403	145	Request for oral hearing	
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		xtra Fee from Fee		1503	640	2503	320	Plant issue fee	
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Claims	- ** = 0	X = 0		1806	180	1806	180	Submission of Information Disclosure Stmt	
Multiple Dependent		X = 0		8021	40	8021	40	Recording each patent assignment per property (times number of	
Large Entity	Small Entity			1809	770	2809	385	properties)	
Fee Fee Code (\$)	Fee Fee Code (\$)	Fee Description			770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	'
1202 18	2202 9	Claims in excess of 20		1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1201 86	2201 43	Independent claims in excess of 3						examined (37 CFR § 1.129(b))	
1203 290	2203 145	Multiple dependent claim, if not pa		1801	770	2801	385	Request for Continued Examination (RCE)	
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**or number previou	usly paid, if greater;	For Reissues, see above							

SUBMITTED BY				Com	nplete (if applicable)
Name (Print/Type)	Robert H. Resis	Registration No. (Attorney/Agent)	32,168	Telephone	(312) 463-5000
Signature	115 bet 11	1		Date	January 28, 2004

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JAN -	8 2004 3 July 1	N THE UNITED STATES PATENT AND (Attorney Docket No. 0633	
TRAI	EMA the Applic	eation of:)
		ge M. Levinson et al.)
) Group Art Unit: (TBA)
	Serial No.:	10/747,974)
) Examiner: (TBA)
	Filed:	December 30, 2003)
	_)
	For:	System, Method, and Computer-Readable)
		Medium for Collection of Environmental)
		Data and Generation of User Report for)
		Compliance with FDA Requirements)

PETITION TO MAKE SPECIAL

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313

Sir:

Applicants respectfully petition to make the above-cited application special for accelerated examination pursuant to 37 CFR 1.102 and MPEP 708.02 (VIII). The above-cited application has not received any examination by the examiner. The Patent Office is authorized to charge the required fee for this petition to make special as set forth in 37 CFR 1.17(h) to Account No. 19-0733. All of the claims are directed to a single invention, or if the Office determines that all of the claims presented are not obviously directed to a single invention, the Applicants will make an election without traverse as a prerequisite to the grant of special status. A pre-examination search was made

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by a prior art search firm, listing the field of search by class and subclass, publication, Chemical Abstracts, foreign patents, etc. The field of Search included:

FIELD OF SEARCH

CLASS	<u>SUBCLASS</u>
422	62
700	90, 108, 109, 111, 266, 276, 277, 299, 300

Attached is a copy of each reference found in the search (Reference Nos. 1-15), and a copy of U.S. Patent No. 5,838,906, cited in the application (Reference No. 16), and a copy Reference Nos. 17-21, which refer to the Environmental Monitoring Software System (EMSS), owned by the assignee of the application, and which is cited in the application. The following is a detailed discussion of the references, which identifies with the particularity required by 37 CFR 1.111 (b) and (c), how the claimed subject matter is patentable over the references.

1. U.S. Patent No.4,298,955 discloses a system for detecting and analyzing deviations from normal in the operating conditions of a process, for example a chemical manufacturing process. The system comprises transducers positioned to detect a plurality of operating parameters and generate signals representative of the said parameters. A processing device is connected to receive the signals and programmed to analyze the signals on the basis of a decision table having columns each of which represents a different combination of operating parameter values. Each column has associated therewith a value representing the seriousness of the deviation represented by the

combination of values. Means are provided for displaying, storing and/or recording the nature of

each deviation analyzed by the processing device and the value associated therewith. Systems for

transmitting data from transducers to a receiver and for analyzing data are also provided.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

2. U.S. Patent No. 5,103,391 discloses a highly distributed direct digital process control

system for use in controlling a fully distributed process includes at least one device controller

independently monitoring and controlling a plurality of external devices for performing a complete

process. One or more data concentrator units are connected to the controllers for collecting

information from each controller as well as directing updated control information to specific

controllers. A central information processing means is connected to the data concentrator for

displaying information received from the data concentrator. The central information processing

means is capable of updating control information used by specific controllers.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler, facility monitoring system, rapid organism enumeration technology device, bioluminescence device, and water quality detector, the user report providing document compliance with U.S. Food and Drug

3. U.S. Patent No. 5,691,895 discloses a comprehensive, generic mechanism models, monitors, controls and optimizes manufacturing as an on-line, real-time system employing statistical analysis and mathematical techniques with feedback and forward information for local control and global optimization. Manufacturing is treated as a hierarchy of processes which are modeled, controlled, optimized and managed via four interacting networks; an application modeling network, a local control network, a global optimization network, and an implementation/management network. Of these four networks, only the application modeling network is application dependent. The functions of the other three networks are application independent. All manufacturing processes, from simple process steps through manufacturing sectors and lines, to complete factories, are treated identically, thereby simplifying computational complexity. A minimal set of parameters is thereby obtained at any manufacturing level, which reduces a complex manufacturing process to a manageable form. Outputs of lower level processes in the hierarchy become input process variables for higher levels. Process models are developed and updated via on-line data analysis, and are used to evaluate process status and improvement path.

This reference does not teach the present invention, for example a data management system having a universal hub in electronic communication with at least one piece of equipment used to automatically measure environmental data, the system configured to collect and store the environmental data, and generate a user report of the environmental data, the equipment selected from the group consisting of a particle counter, organism identification system, viable air sampler,

4

Administration requirements.

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

4.

U.S. Patent No. 5,719,796 discloses a statistical simulation of a semiconductor

fabrication process is performed in parallel with the actual process. Input parameters derived from a

probability density function are applied to the simulator which, in turn, simulates an actual

fabrication process which is modeled as a probability density function. Each simulation step is

repeated with a random seed value using a Monte Carlo technique, a trial-and-error method using

repeated calculations to determine a best solution to a problem. The simulator generates an output in

the form of a probability distribution. The statistical simulation uses single-step feedback in which a

simulation run uses input parameters that are supplied or derived from actual in-line measured data.

Output data generated by the simulator, both intermediate output structure data and WET data, are

matched to actual in-line measured data in circumstances for which measured data is available. The

probability density structure of the simulator is adjusted after each simulation step so that simulated

data more closely matches in-line measured data.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

5. U.S. Patent No. 5,787,021 discloses an information system for production control

wherein measured data from many test facilities is controlled, stored, and, if necessary, processed in

a central data base. Via two-way data links, various data users can access the stored data and use this

data for their own purposes. Thus it is possible, for example, to retrieve production figures of

individual products or entire product ranges, complied statistics, calculate costs, determine yields,

and the like. Access by the individual data users to the data base takes place via a terminal or a

personal computer, with which nearly every work place is equipped and which are electronically

interconnected via a data network for the exchange of data.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

6. U.S. Patent No. 5,798,945 discloses small modules directly situated at power outlets

in buildings, that contain at least one sensor gather and report local environmental data such as

temperature, humidity, carbon dioxide concentration, motion, particulate matter concentration,

carbon monoxide, methane, or other parameters. The local modules report data back over existing

building power wiring to a central unit. The central unit may store or reduce data for reporting over

to a computer over a conventional RS-232 link. The data can be used to prove compliance with

environmental and safety regulations and requirements or used to control HVAC equipment. Also,

the data can be displayed or used with energy price tier systems.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

7. U.S. Patent No. 5,862,054 discloses a method to monitor process parameters from

multiple process machines to provide real time statistical process control (SPC). The particular

implementation was derived from ion implantation of wafers, but has wide applicability where there

are a number of process machines having a number of process parameters and close continuous

sampling of data is required. The process parameters are collected on a single computer over a single

RS 485 network, and each parameter is analyzed and displayed separately for each process and

process machine. Statistical variables like Cp and Cpk are calculated and presented on the computer

screen along with graphs of the various parameters for a particular process machine. Data is aged out

of the computer to an archival data base under the control of a manufacturing information system and

connected to a company wide network.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

8. U.S. Patent No. 5,892,690 discloses an environment monitoring system and method

for systematically and continuously monitoring an environment. The system and method includes a

data acquisition system which is programmed to systematically collect environment data for a site.

The data acquisition system includes sensors coupled to a data storage device having a remote access

device for electronic access from a remote system. Data may be uploaded to a remote database for

storing environment data from many sites. The remote database includes a remote access device so

that the data storage devices of various data acquisition sites can be electronically coupled to the

remote database for centralized data collection and storage.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

9. U.S. Patent No. 6,163,732 discloses systems, methods and computer program

products to determine compliance of a chemical product to be manufactured to government

regulations that govern the manufactured product. According to the invention, the chemical

compositions that are present in the chemical product to be manufactured are ascertained. The

chemical compositions so ascertained are compared to a stored set of government regulatory

standards related to the chemical compositions to determine compliance. Accordingly, compliance

with complex government regulations governing chemical products can be determined.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

10. U.S. Patent No. 6,523,045 discloses a method for managing information about a

manufacturing operation uses factory screens, shop floor screens and/or the like of a shop floor

control graphical user interface. The factory screen graphically represents a factory. The shop floor

screens represent different shop floors or other areas of the factory. These areas of the factory are

represented by selectable icons, positioned within the factory screen at locations corresponding to the

locations of the represented areas within the factory. Each shop floor screen depicts the general

appearance of one of the areas of the factory and the factory elements of that area of the factory.

Icons representing factory elements are positioned within the shop floor screens at locations

corresponding to the locations of the represented factory elements within the corresponding shop

floor. Icons representing machines and storage locations include graphics depicting the appearance of

the represented machine or storage location.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

11. U.S. Patent No. 6,539,271 discloses a quality management system and computer

based process for managing quality. The quality management system includes a set of networked

operator stations for entering data including critical to quality customer information and information

relating to the equipment to be monitored on a quality basis. The system further includes an

application server on the network for running the programs of the system such as critical to quality

setup, report generation, logging to the database, and maintenance events. A database server is

further included on the network for storing the local database. A web server holding a capability

warehouse connects to the local database over a web connection. The process for managing the

quality of the monitored electrical equipment includes sending process capability data from the local

database to the capability warehouse, updating an entitlement database embedded in the capability

warehouse, delivering new schema information to the local database from the entitlement database,

and reporting information to the customer at an operator station via an automatic or requested report.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

12. U.S. Patent No. 5,631,839 discloses a device for controlling a complex manufacturing

process. The device comprises at least one remote monitor designed to receive in real time signals

through a local area network making it possible to analyze the state of the manufacturing process.

There are a plurality of sensors, each of the sensors transforming the value of an associated

parameter of the manufacturing process so as to produce an analogue signal. There is an analogue to

digital converter associated with each of the sensors for producing a succession of numerical values

representing the instantaneous state over time of the corresponding parameter. Each of the converters

is interfaced with the local area network. A processor for processing the numerical values and

comparing them with given reference values is also connected to the local area network such that the

local area network conveys the result of the comparison to the remote monitor or monitors and also

conveys the information coming from the analogue to digital converter to the processing means.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

13. U.S. Patent No. 6,437,692 discloses a system for monitoring a variety of

environmental and/or other conditions within a defined remotely located region. In accordance with

one aspect of the invention, a system is configured to monitor utility meters in a defined area. The

system is implemented by using a plurality of wireless transmitters, wherein each wireless transmitter

is integrated into a sensor adapted to monitor a particular data input. The system also includes a

plurality of transceivers that are dispersed throughout the region at defined locations. The system

uses a local gateway to translate and transfer information from the transmitters to a dedicated

computer on a network. The dedicated computer, collects, compiles, and stores the data for retrieval

upon client demand across the network. The computer further includes means for evaluating the

received information and identifying an appropriate control signal, the system further including

means for applying the control signal at a designated actuator.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

14. U.S. Patent No. 6,574,522 discloses a system and method for handling quality control

data for a manufacturing process among a main computer and a plurality of remote computers.

including the steps of establishing a connection between at least one of the remote computers and the

main computer via a web browser, inputting quality control data of the manufacturing process from

the remote computer into a database of the main computer via the web browser, performing a

statistical analysis on the quality control data input into the main computer, and posting results of the

statistical analysis on a web site of the main computer accessible to the remote computers through

the web browser.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

15. U.S. Patent No. 6,604,023 discloses environmental indicators computed for a

particular environment and converted into a transmittable data format. Each of the environmental

indicators is computed by electronic environmental measurement device from among multiple

diverse electronic environmental measurement devices. Environmental indicators are transmitted to a

portable data processing system associated with a user, which analyzes each of the environmental

indicators according to an environment sensitivity profile stored at the portable data processing

system for the user. Control signals are determined by the portable computer system for adjusting

multiple environment control systems that control the particular environment in response to the

analysis, such that a particular environment is temporarily managed by a portable data processing

system according to environmental sensitivities of a particular user located within that particular

environment.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

16. U.S. Patent No. 5,838,906 discloses a system allowing a user of a browser program on

a computer connected to an open distributed hypermedia system to access and execute an embedded

program object. The program object is embedded into a hypermedia document much like data

objects. The user may select the program object from the screen. Once selected the program object

executes on the user's (client) computer or may execute on a remote server or additional remote

computers in a distributed processing arrangement. After launching the program object, the user is

able to interact with the object as the invention provides for ongoing interprocess communication

between the application object (program) and the browser program. One application of the embedded

program object allows a user to view large and complex multi-dimensional objects from within the

browser's window. The user can manipulate a control panel to change the viewpoint used to view the

image. The invention allows a program to execute on a remote server or other computers to calculate

the viewing transformations and send frame data to the client computer thus providing the user of the

client computer with interactive features and allowing the user to have access to greater computing

power than may be available at the user's client computer.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

17. Compliance Software Solutions Corp. web page description of its Environmental

Monitoring Software System (EMSS) (3 sheets), located at http://www.csoftsol.com/emss.html. The

Environmental Monitoring Software System (by Compliance Software Solutions Corp. of Vernon

Hills, Illinois, the assignee of the present invention), provides a cost effective and efficient means to

manually enter into a computer database program the presence of viable microbiological organisms,

the presence of particulates and other environmental conditions within the facility, such as humidity,

pressure, temperature, water quality (e.g., pH, conductivity, total organic content (TOC), endotoxin,

coliform, and metals), and the respective amounts of different materials involved in the manufacture

of the end product(s). Thus, this system provides a means to access and document facility operations

and store and trend data to ensure that the environmental control systems of a facility are operating as

intended. This system is particularly useful for pharmaceutical, biotechnology, and medical device

This system meets the requirements of 21 CFR Part 11.

This reference does not teach the present invention, for example a data management

system having a universal hub in electronic communication with at least one piece of equipment used

to automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

18. BD Diagnostic Systems, Industrial web page description of the Environmental

Monitoring Software System (EMSS) of Compliance Software Solutions Corp. (2 sheets), located at

http://www.bd.com/contentmanager/b article.asp?ContentID=2655&d=&s=. The Environmental

Monitoring Software System (by Compliance Software Solutions Corp. of Vernon Hills, Illinois, the

assignee of the present invention), provides a cost effective and efficient means to manually enter

into a computer database program the presence of viable microbiological organisms, the presence of

particulates and other environmental conditions within the facility, such as humidity, pressure,

temperature, water quality (e.g., pH, conductivity, total organic content (TOC), endotoxin, coliform,

and metals), and the respective amounts of different materials involved in the manufacture of the end

product(s). Thus, this system provides a means to access and document facility operations and store

and trend data to ensure that the environmental control systems of a facility are operating as

intended. This system is particularly useful for pharmaceutical, biotechnology, and medical device

This system meets the requirements of 21 CFR Part 11.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

19. BD Diagnostic Systems, Industrial web page description of the Environmental

Monitoring Software System (EMSS) of Compliance Software Solutions Corp. (3 sheets), located at

http://www.bd.com/industrial/Catapult/BDCatapultv4n1.pdf. The Environmental Monitoring

Software System (by Compliance Software Solutions Corp. of Vernon Hills, Illinois, the assignee of

the present invention), provides a cost effective and efficient means to manually enter into a

computer database program the presence of viable microbiological organisms, the presence of

particulates and other environmental conditions within the facility, such as humidity, pressure,

temperature, water quality (e.g., pH, conductivity, total organic content (TOC), endotoxin, coliform,

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facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

20. Compliance Software Solutions Corp. web page description of its Environmental

Monitoring Software System (EMSS), in connection with 21 CFR Part 11 Compliance Assessment

(4 sheets), located at www.csoftsol.com/21CFRPart11FinalStatement.pdf. The Environmental

Monitoring Software System (by Compliance Software Solutions Corp. of Vernon Hills, Illinois, the

assignee of the present invention), provides a cost effective and efficient means to manually enter

into a computer database program the presence of viable microbiological organisms, the presence of

particulates and other environmental conditions within the facility, such as humidity, pressure,

temperature, water quality (e.g., pH, conductivity, total organic content (TOC), endotoxin, coliform,

and metals), and the respective amounts of different materials involved in the manufacture of the end

product(s). Thus, this system provides a means to access and document facility operations and store

and trend data to ensure that the environmental control systems of a facility are operating as

intended. This system is particularly useful for pharmaceutical, biotechnology, and medical device

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environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

21. Compliance Software Solutions Corp. web page description of its Environmental

Monitoring Software System (EMSS) (168 sheets), located at

www.csoftsol.com/CSSCPresBinder.pdf. The Environmental Monitoring Software System (by

Compliance Software Solutions Corp. of Vernon Hills, Illinois, the assignee of the present

invention), provides a cost effective and efficient means to manually enter into a computer database

program the presence of viable microbiological organisms, the presence of particulates and other

environmental conditions within the facility, such as humidity, pressure, temperature, water quality

(e.g., pH, conductivity, total organic content (TOC), endotoxin, coliform, and metals), and the

respective amounts of different materials involved in the manufacture of the end product(s). Thus,

this system provides a means to access and document facility operations and store and trend data to

ensure that the environmental control systems of a facility are operating as intended. This system is

particularly useful for pharmaceutical, biotechnology, and medical device manufacturers, who must

comply with strict quality control requirements of governmental bodies. This system meets the

requirements of 21 CFR Part 11.

This reference does not teach the present invention, for example a data management system

having a universal hub in electronic communication with at least one piece of equipment used to

automatically measure environmental data, the system configured to collect and store the

environmental data, and generate a user report of the environmental data, the equipment selected

from the group consisting of a particle counter, organism identification system, viable air sampler,

facility monitoring system, rapid organism enumeration technology device, bioluminescence device,

and water quality detector, the user report providing document compliance with U.S. Food and Drug

Administration requirements.

In view of the foregoing, the Applicants respectfully request that the Petition to Make Special

be granted and that the application be advanced for examination.

Respectfully submitted,

Dated: January 28, 2004

By: Robert H. Resis

Reg. No. 32,168

Direct Dial: (312) 463-5405



COMPLIANCE SOFTWARE SOLUTIONS CORPORATION

∢cssc home: emss

EMSS

The EMSS provides a validated method of assessing and documenting facility operations, collecting microbial and/or particulate counts, and analyzing and trending data. This ensures that the environmental control systems are operating as intended. These trends provide valuable insight into the effectiveness of decontamination procedures, housekeeping practices, personnel training, and the potential for microbial build-up during production.

The EMSS is an "off-the-shelf," configurable means of electronically documenting, capturing, and reporting on your environmental monitoring program. CSSC will configure the database to "mirror" your environmental SOP's and facility diagrams. The EMSS is upgraded once per calendar year and released to all customers as part of their Maintenance and Upgrade program. The upgraded features are the recommendations of our current users. All users are encouraged to submit their ideas and suggestions.

The EMSS interface was developed using a Microsoft® development program, so it easy to use and intuitive. It is able to reside on hardware, and with software that already exists in almost every facility (Hardware / Software Requirements). The system's architecture was designed for a client / server installation. However, several of our customers have successfully implemented the EMSS on a Citrix® or Terminal Server®. It can be installed in virtually any network environment, is compatible with all operating systems, and is available to run with either an Oracle® or SQL Server® database.

Included with your site license for the EMSS is:

- A copy of the EMSS Software Validation Package
- System Use SOP
- Template document for performing the Installation Qualification (IQ)
- Template document for performing the Operational Qualification (OQ)
- Template document for performing the Performance Qualification (PQ)
- User Manuals

Training Manuals

Some of the key functionality of the EMSS includes:

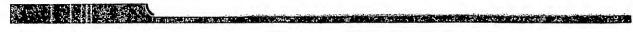
- On demand reporting that enables the user to review trends by site location and date range
- Supports a wide variety of predefined tests (i.e. particulate, microbial) as well as user defined tests (i.e. pH and chemical), including water testing
- Generates Worksheets (data sheets) and corresponding Barcode Labels to facilitate sample identification
- Custom visual layouts of facilities and test sites utilizing Microsoft Visio®
- Embedded digital photographs and video capabilities
- Automatic e-mail notification with attached historical data trend for "Alert Level" conditions
- Automatic e-mail notification with historical data trend and corrective action report generation for "Action Level" excursions
- Automatic e-mail notification with accompanying review of historical data in the event that a "flagged" organism is identified
- On-line review confirmation
- Tracks media expiration
- Tracks equipment calibration dates

Features that address the requirements of 21 CFR Part 11 includes:

- Multiple levels of security that restrict access and data modifications
- Electronic signature feature required for any additions, modifications, deletions, or reviews performed throughout the system
- Security lock-out feature
- Security time-out feature
- Password expiration
- A secure, non-modifiable, read-only / print-only audit trail automatically captures all modifications within the database

Click on the following <u>link</u> to download a PDF copy of CSSC's 21 CFR Part 11 Assessment Statement of the EMSS.

Click on the following <u>link</u> to download a PDF Presentation Binder. It includes a number of screen shots and reports from the EMSS.



Compliance Software Solutions Corporation

750 Bunker Ct., Suite 200 Vernon Hills, IL 60061 Phone: (888) 321-CSSC Email: info@csoftsol.com

 $\label{lem:copyright} \begin{tabular}{ll} Copyright @ 2003 Compliance Software Solutions Corporation. \\ All rights reserved \\ \end{tabular}$



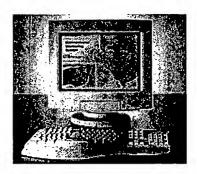
গ্ৰিচালো টোভ জীহৈ → ADVANCED SEARC Privac



BD Diagnostic Systems, Industrial

News

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Innovative Environmental Monitoring Software

Automates Data Management, Enables Regulatory Compliance

BD Diagnostic Systems, Sparks, MD, announces that it has recently launched a program built around its partnership with Compliance Software Solutions Corporation (CSSC), the developer of a unique software that automates data management for environmental monitoring. The partnership enables BD customers to enjoy the unprecedented advantages of CSSC's Environmental Monitoring Software System, known simply as EMSS. To be useful for tracking environmental contamination, data should be trended, reviewed, reported and assessed quickly. EMSS can collect. document and trend environmental monitoring data for audits and inspections, and can likewise provide critical information on the quality of the aseptic processing environment during manufacturing. This is especially beneficial for industries charged with meeting ever more stringent and changing regulatory requirements. EMSS can greatly impact businesses where environmental monitoring data is often only tracked manually via logbooks and spreadsheets - making data difficult to manage and use effectively. Compared with the management and utilization difficulties of manually tracking data in logbooks or spreadsheets, EMSS vastly improves the ability of businesses to efficiently comply with those stringent regulatory requirements.

EMSS offers BD customers a means to achieve compliance with industry regulations such as those outlined by the FDA, CFR, ISO and cGMP. EMSS automatically generates e-mails when alert or action conditions are met, or when organisms are flagged for follow-up. Use of the software can prevent the release of potentially contaminated batches if appropriate standards are not followed. Future contamination can be prevented as well because adverse trends can be detected and addressed much more quickly.

In an era when increased regulatory attention has been focused on environmental monitoring, BD is providing a meaningful, manageable and defendable system that utilizes industry guidelines. The EMSS software package is a unique "off-the-shelf" solution to the management of environmental data, yet it can be configured to each client's facility. It can manage a full range of environmental testing at client facilities for both viable and non-viable contamination. EMSS can also support a wide range of predefined tests (e.g. particulates and microbial), all methods of water testing and can manage any user-defined tests such as pH and chemistry.

EMSS will be distributed exclusively by BD. It completes the BD breadth-of-line for environmental monitoring applications— working as an adjunct to BD BBL™ Sterile Pack Prepared Plated Media, BD Sterile Pack Swabs, BD Sterile Pack Bottles and air monitoring systems that utilize BD media. Future value-added software modules are planned for EMSS, specifically a fully automated interface with the BD Phoenix™ Microbiology System. For more information about EMSS, please call 1-800-638-8663, or contact your BD Diagnostic Systems representative.

CSSC and EMSS are trademarks of Compliance Software Solutions Corporation. BD, BBL and Phoenix are trademarks of Becton, Dickinson and Company. ©2003 BD January 2003

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BD Catapult

Propelling applications development in the areas of Biopharm Production. QA/QC & Environmental Monitoring

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- **Regulatory Corner**
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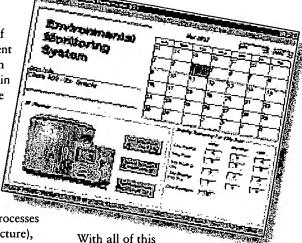
Implementation of an Automated System for Environmental Monitoring

Background-Regulatory

Expectations

In September 2002, the Food and Drug Administration (FDA) released a Concept Paper, "Sterile Drug Products Produced By Aseptic Processing Draft." This paper provides an indication of FDA's thinking on aseptic processing and provided an opportunity for industry comment prior to issuance of the revised guidance document on aseptic processing. Within this paper, FDA states that "in aseptic processing, one of the most important laboratory controls is the establishment of an environmental monitoring program." Environmental monitoring is also applicable to other types of processing

(e.g., terminal sterilization processes and non-sterile drug manufacture), with aseptic processing being the most stringent application of these monitoring programs. The intent of these programs is to identify potential routes of product contamination and take appropriate corrective actions prior to contamination occurring. The paper also discusses many expectations for an environmental monitoring program. In addition to the release of the "Concept Paper," there has been an increased interest in environmental monitoring by regulators worldwide. Numerous adverse findings reports have been issued in recent years, with environmental monitoring one of the most frequently identified deficiencies.



regulatory focus on environmental monitoring, it is important to have a meaningful, manageable and defendable program that will withstand the rigors of inspection by regulatory bodies. A significant problem with the design of this type of system is that a large volume of data is generated. The data is only useful if it can be trended,

Implementation of an Automated System for Environmental Monitoring

Continued from page 1

reviewed, reported and assessed in a timely manner. Finding out during a regulatory inspection that the environmental monitoring data exhibits a trend is not useful. It is important to know that a trend is occurring when it happens. Manual systems for data tracking and trending have inherent time delays in assessing the data. The time delay increases with the quantity of data generated. The "Concept Paper" defines specific expectations for trending of data (e.g., "data generated by location, lot, room, operator, or other search parameters") and specialized reports, like tracking the locations of an atypical isolate throughout the facility. Figure 1 provides some examples of the trending reports available from the Environmental Monitoring Software System (EMSS)

must be met for the automated system, which part(s) of the system will be automated and how will automation affect the other parts of the system. A common problem in automating a system is the failure to look at the entire system when addressing what should be automated. For example, will data be both collected and reported automatically? Another problem is that you cannot effectively automate a bad system. If it doesn't work already, automating it only makes it worse than it was before.

Typical Approach to Automation In considering a switch to an automated system for environmental monitoring, the following describes a typical approach for selection and implementation of a new system:

Evaluate/assess the existing system

 Look for compliance to applicable requirements and for the effectiveness

of the system to provide a meaningful, manageable and defendable system.

• Review the documentation requirements in PDA
Technical Report No. 13
(Revised) on Environmental Monitoring to ensure that all required documentation is collected. Figure 2 provides an example of a data entry screen from the EMSS system. This system has been designed to

ensure that all required documentation is maintained and generated.

- Verify the effectiveness of cleaning/ disinfection systems and the accuracy of data management systems, that alert and action levels are established and appropriate, and that reports are appropriate and accurate.
- Evaluate how discrepancies and corrective actions are handled and resolved.

Evaluate opportunities for automation

- Some typical considerations here include: 21 CFR Part 11 compliance issues, opportunities to go paperless, integration of testing equipment with the automated system, etc.
- Part of this evaluation includes assessing what are the risks/costs associated with manual support operations. Automated systems come in a wide variety of applications; e.g., spreadsheets, LIMS systems, custom designed software and off-the-shelf software. There are risks and benefits associated with each type of system.

Evaluate vendors

After selecting the level of automation required and the type of system desired, one selects an appropriate vendor to support the system. Considerations for selecting vendors include:

- Technical knowledge of vendor relative to environmental monitoring
- · Financial stability of vendor
- Ability of vendor to meet FDA requirements and support FDA review of the system
 - Technical support available for the system
 - available for the system. Software audits are often conducted to evaluate the vendor's capabilities at their site. There are very few suppliers of off-the-shelf software for environmental monitoring, including EMSS.

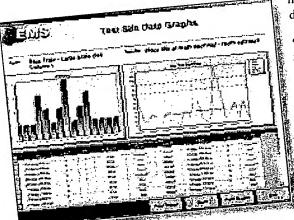


Figure 1 - Example of EMSS Trending Report

of Compliance Software Solutions Corporation. The reports generated by this system have been designed to meet the regulatory requirements for environmental monitoring. These expectations almost necessitate implementation and use of an automated system.

In considering automation of an environmental monitoring system, it is important to assess whether the existing monitoring system (manual) is working effectively, what requirements

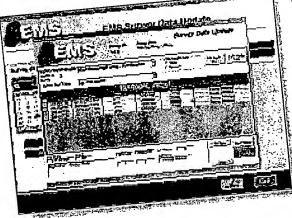


Figure 2 - Sample of EMSS Data Entry Screen

Select software

Defining and specifying software system requirements is a key ingredient to the selection of an appropriate system.

- When preparing these requirements, it is important that a team reviews and approves the specifications, to ensure that important characteristics are not inadvertently omitted.
- It is also important to identify which specifications are mandatory versus those that are optional. For example, when purchasing an off-the-shelf software package, one may need to accept a slightly different report format than has been used in the past. These specifications are also useful when developing the system validation requirements.
- It is important to consider the type of documentation that will support the system when specifying requirements;
 e.g., is a user's manual required, are sample validation protocols included,
 etc. Figure 3 includes a partial listing of the types of documentation provided with the EMSS system.

Figure 3
List of EMSS Documentation
User Manual
License Agreements
System Use SOP
Training Manuals
Validation Package
Validation Templates
(IQ, OQ, and PQ)

Install the software

- The computers and networks to be used with the selected system should be validated prior to installation of the software. Some companies choose to install concurrently, but this should be controlled. For example, lack of network validation for a networked monitoring system can lead to aberrations or problems at a later time.
- The system should be subjected to commissioning, debugging and "engineering" type studies to ensure that problems are minimized prior to initiating formal validation studies.

- One may also include some basic training for operators at this time.
- Many software systems also require establishment of facility drawings, parameter tables, etc., prior to validation testing.

Validate the software

Development of validation requirements should be well thought out.

- Vendors may provide validation protocols, but it is the end-user's responsibility to determine whether any other features or system integrations should be added to the testing protocol.
- One should also consider how the system will be re-qualified.
- It can be useful to establish standard data files that allow for easy repetition of data entry or reporting to minimize subsequent validation requirements; e.g., what testing will be required to replace computer boards, operating systems, etc.
- Typically, an Installation Qualification, Operational Qualification and Performance Qualification are performed. Figure 4 includes an index of a typical validation protocol for EMSS.

Implement the system

Following the validation, the system is implemented for production use.

On-going Evaluation and Maintenance

- The system should be evaluated periodically to ensure that it is still operating as designed and expected.
- Maintenance activities should also be performed and documented.

Obsolescence

At some point in time, all systems are obsoleted. Plans should be established for how these activities will be controlled and documented.

EMSS has been designed to meet the requirements for environmental monitoring systems. Figures from EMSS have been provided courtesy of Compliance Software Solutions Corporation. Additional screen shots from the EMSS system are included, to provide guidance on how this type of system can be controlled and documented.

BD Diagnostic Systems is an exclusive distributor for EMSS in North America. For further Information regarding EMSS, contact your local BD Sales Representative or fill out and return the request for information card included with this newsletter.

Figure 4 Index of CSSC Validation Package for EMSS Validation Report Validation Protocol Validation Management Plan Requirements Design **Process Flow Diagrams** Program Interface Implementation / Coding Traceability Matrix Integration Testing Integration Testing Attachment Installation Testing **Boundary Testing Boundary Testing Attachment Error Testing Error Testing Attachment**

Jeanne Moldenhauer is a senior quality assurance/regulatory/affairs professional at Vectech Pharmaceutical Consultants, located in Farmington, Michigan. She has an extensive background in the development and management of a variety of sterilization and validation processes in the healthcare industry. She has a proven track record of

successful NDA, sNDA, AADAN and DMF submissions to the US Food and Drug Administration (FDA), with special expertise in the rehabilitation of companies with negative FDA findings, restoring them to compliance. Additionally, she has substantial experience in assessing and validating laboratory and production facilities in need of solutions for regulatory purposes.

COMPLIANCE SOFTWARE SOLUTIONS CORP.

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21 CFR Part 11 Compliance Assessment

Compliance Software Solutions Corporation (CSSC) has developed the Environmental Monitoring Software System (EMSS[©]), Version 2.2.1 to comply with the requirements defined in the FDA's 21 CFR Part 11 for Electronic Documents. The EMSS is a closed system designed to ensure accuracy, reliability, and consistently intended performance. As established in the regulation, EMSS incorporates the following:

Requirement	EMSS Assessment
Validation	CSSC offers a software validation package for the system. It includes documentation of the implementation and coding, traceability analysis, integration testing, installation testing, boundary testing, and Y2K testing.
Audit Trails	The independent and non-modifiable Audit function provides for secure, computer-generated date and time stamp of record changes and key operator entries and activities. Actions that review, create, modify or delete records are retained for viewing and / or printing. Reports can be generated for each facility by date range and specific table (audit record).
System Security	System access is limited to authorized and qualified users as established in the Security database. There are five levels of security in the EMSS, each providing the appropriate and necessary access to the required functions of Administrators, Managers, and QA / QC Users. A No Access level allows for an individual's name to be included in a drop down menu without affording that user login capability. Additionally, a separate Read-only access application is available for generating reports. The EMSS has a log out security feature, which is automatically activated once the pre-set period of time (3 – 30 minutes in one minute increments) has been met. This
	ensures that should a workstation be left unattended, an unauthorized individual cannot access the application.

Requirement	EMSS Assessment
Password Maintenance	The EMSS provides for initial and periodic testing, as well as a user defined password expiration interval. Password expiration dates are defined and set by the Administrator (from 10 – 90 days in 5 day increments). Only the Administrator has access to Security Maintenance. Once a password expires, it can never be reused. Passwords can be alpha numeric, and must be 6 to 8 characters.
Record Retention, Protection, Retrievability, and Reproducibility	The EMSS has been designed and tested to accurately retrieve and generate all reports and database records. All electronically stored records are validated to be able to be accurately generated, retained, protected, and readily retrieved in both "human readable and electronic form" throughout the retention period. A validated archive and unarchive feature further adds to the record retention and reporting capability.
Operational Checks	Where necessary, the appropriate operational checks have been put in place to enforce step and event sequencing. The system will only allow events to be performed in the appropriate sequence. It is not possible to perform certain steps before others are complete.
Authority Checks	Only authorized personnel have access to the application, and the ability to use the system. User Maintenance / Security level access is set by the system Administrator. Each level of security has unique, restricted access to the system.
	The EMSS has built-in security protection that does not allow a user to make more than five attempts to log into the system. After the third unsuccessful attempt to login, the user is "locked out" of the EMSS and only the system Administrator can reactivate the user.
Device Checks	Only terminals with the EMSS installed can make data modifications / entries. This ensures the validity of the source of the data input and / or operational instruction.

Requirement	EMSS Assessment
Documentation Controls	A single copy of all system documentation is provided with the site license.
Electronic Signature Security	Only those users established in the security database that have been granted access to the EMSS can login. Attempting to enter an incorrect password three times will lock the user ID out of the system. Only the Administrator will then be able to unlock that user ID.
Password Security	Controls ensure the security, integrity, and uniqueness of the identification and password combination used for login and electronic signature. Passwords must be between 6 and 8 characters. Each password is unique. Two users cannot have the same password. Passwords are always displayed as asterisks.
Electronic Signature Assignment	Each user's unique electronic signature cannot be reused or reassigned to another user. Each user name and password is unique. Once a password expires it can never be reused again by anyone.
Electronic Signatures Not Based Upon Biometrics	Both a user name and password are required for initial login. Both are required on subsequent logins when security logoff has occurred due to inactivity in the EMSS.
	In order to perform reviews, additions, deletions, or modifications to any records, the authorized user is required to authenticate their identity by signing into the function and re-entering his or her password. The activity performed is then captured in the audit trail, and a full manifestation of that individual's name will appear in the audit record.
Electronic Signature With Biometric Links	The system is designed to preclude use by anyone except a genuine user. If an individual is not established in the User Maintenance database there is no ability to access the EMSS.

Requirement	EMSS Assessment
Name Display	The printed name of the individual who signs a record electronically is always clearly displayed. His or her user name will appear on relevant documents and reports generated by the system. The user ID of the individual logged into the EMSS is displayed on the lower task bar of the application window.
Signature Purpose	The meaning of each electronic signature, as defined by the individual organization, must be coupled with the appropriate procedures and training.
Signature Binding	Electronic signatures cannot be cut, or copied and pasted, or transferred by any means. The EMSS does not allow user names to be "auto-filled" into fields. Where required, those names established in the User Maintenance database can be entered in fields by means of the drop down menu.



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Criteria for an Effective Environmental Monitoring Program*

The EMSS®

•	Date and Time of Test	Σ	
•	Test Method/Procedure Reference	D	
•	Activity Level at Site During	D	
•	Equipment Identification	D	
•	Location	D	
•	Area Classification	D	
•	Schematics of Area Showing Sample Site Locations	D	
•	Sample Site (Critical and Non-Critical)	D	
•	Test Results	⊡	
•	Evaluator of Results	D	
•	Date Results Read	Ð	
•	Alert and/or Action Level	Þ	
•	Temperature and Time of Incubation	Þ	
•	Control Test Results	☒	
•	Certification, Validation, and Expiration Date of Media Used	D	
•	Characterization of Contaminants	N	
•	Name of Reviewer	D	
•	Reporting of Data	D	
•	Review of Historical Data	D	
•	Change Control System	D	
•	Calibration Date on Instrumentation	D	
•	Methodology, Analysis Used to Specify Action/Alert Level	D	
•	System for Documenting Investigative/Corrective Action	D	
	1. Description of Deficiency		
	2. Possible Cause(s) of Problem		
	3. Identification of Person Responsible for Relevant Corrective Action	e Action	
	4. Description of Action Steps and Their Schedule for Implementation	entation	
	5. Evaluation of Effectiveness of Action Steps		

^{*} PDA Technical Report No. 13 - Fundamentals of an Environmental Monitoring Program



Environmental Monitoring Software System®

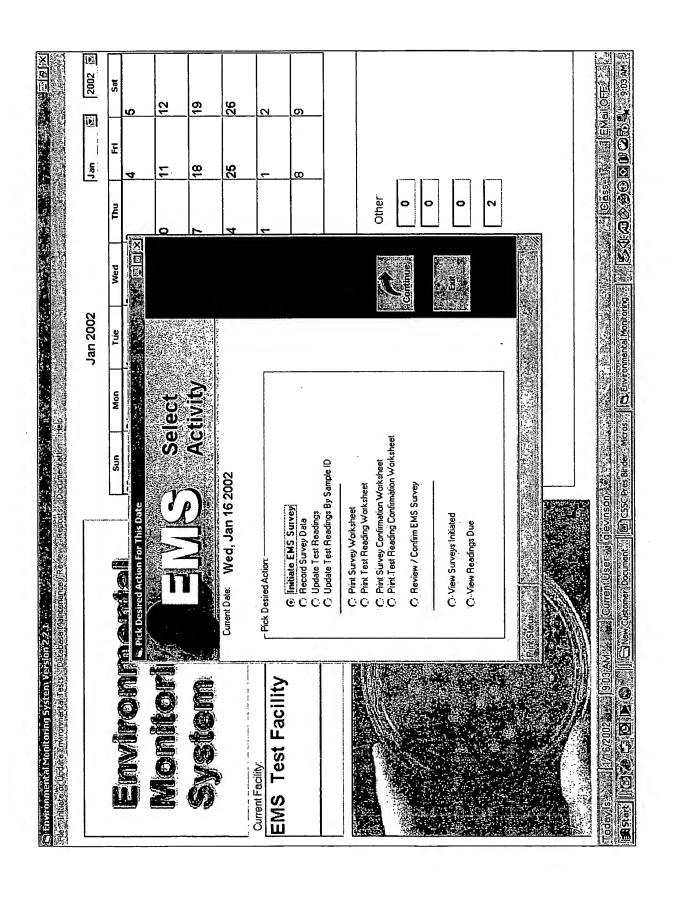
Compliance Software Solutions Corporation (CSSC)

The main menu is used to access all functions of the Environmental Monitoring Software System (EMSS). It displays current status of all test activity. The main menu includes a summary table for all relevant actions for the date selected on the calendar, including information regarding tests initiated and read on that date, test readings due on that date, and test readings past due in the categories of viable tests, non-viable tests, and other tests (i.e. water testing). It also displays the number of open testing deviations currently in need of resolution. The drop-down menus at the top of the screen provide access to the initiate, update, and maintenance functions, along with documentation, CSSC Internet access and reporting deviation and its investigation. The main menu also permits the user to perform maintenance on the databases outlining the facilities, rooms, test types, test sites, test groups and group assignments, and site codes and descriptions. All the reporting functions are accessed by selecting Reports from the upper task bar. Lastly, all support documentation including the System Use SOP for the EMSS, and the IQ, OQ, and PQ functions. The user may initiate or update an environmental survey, and document a document templates are accessed by selecting Documentation.

Environmental Monitoring System

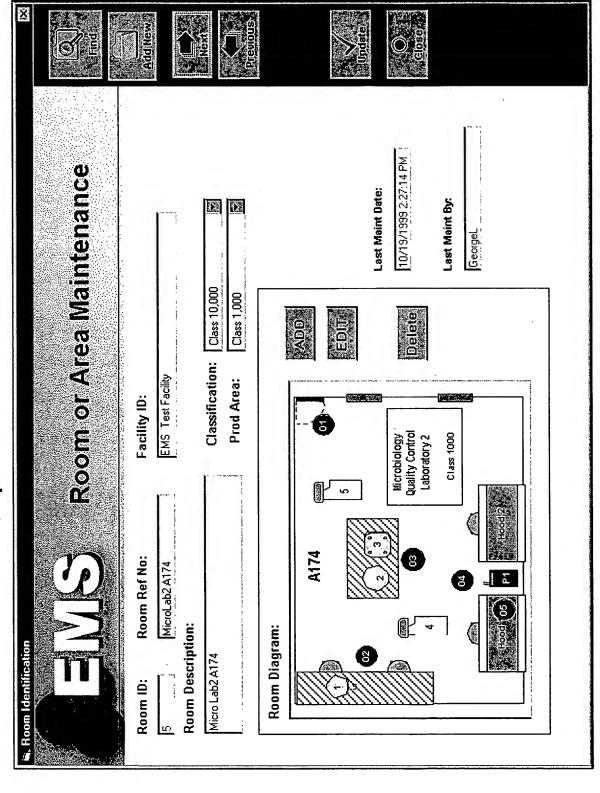
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	- Act	ivity Summ	Activity Summary For This Date:	Date:			
			Viable	Nonviable	Other .		
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	Test	Test Readings Due:	0	0	0		
	Tes	Test Readings Past Due:	15	12	2	1	
	BdO Obe	Open Deviations:	5				

When selecting a date on the calendar, the operator can access other EMSS activities. Double-clicking on the highlighted date brings up the Select Activity form, which and an ability to view any and all initiated surveys and readings due. Many of these same presents the user with several options. These include initiating a new survey, updating survey data, updating current test readings, printing survey and test reading worksheets, functions can be accessed using the Initiate or Update Environmental Tests drop-down



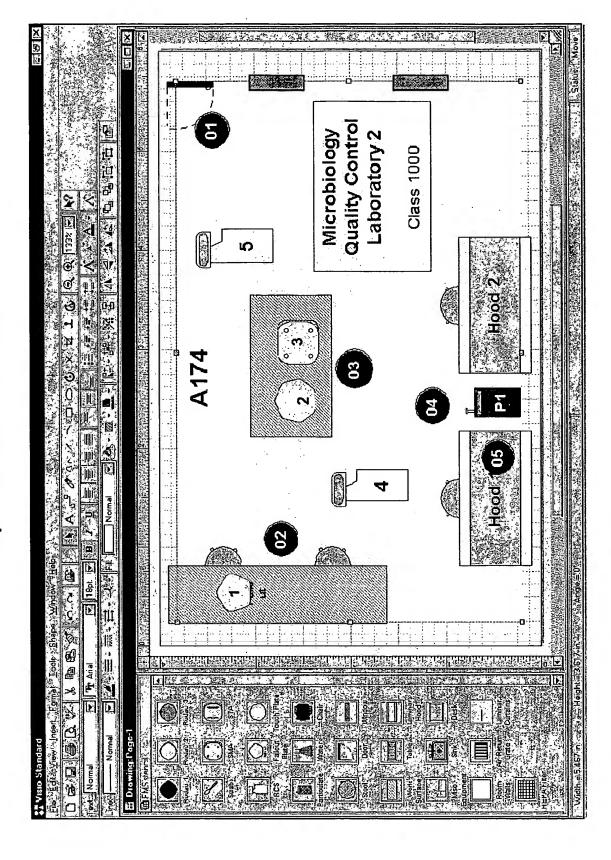
The Facility Maintenance, and Room or Area Maintenance screens are accessed through the *Database Maintenance* drop-down menu and selecting *Facility* or *Rooms* / Areas, respectively. Compliance Software Solutions has chosen Visio® to create all the facility and room / area diagrams in the EMSS. A single user site license for Visio® Standard is provided with the EMSS site license. Rooms or areas are defined for each facility created in the system. Areas could be The user can perform maintenance on the room / area utilizing the Room or Area Maintenance screen. The room / area information which can be configured by the user includes the room description, room reference number, room and production area classification, and the room diagram itself. Below is a representative screen of a room / area created in Visio®. Note that the system allows for two classifications to be set-up within the same room / area (i.e. Class 100 and Class 10,000). A text table within the used to define general facility parameters or for facility water systems, HVAC systems, etc. EMSS enables the user to personalize their classification drop down menu (i.e. U.S. standards or European standards).

Environmental Monitoring System Graphical User Interface



on the maintenance screens. The graphics generated not only document objects within the of recognizable icons to facilitate the creation or modification of the facility and room diagrams. These icons can be easily "clicked" and "dragged" into the facility or room diagram, in order to identify and specify where a particular test is to be performed, or a room, they can also be used to document test sites. These diagrams are displayed on the Generating or modifying the graphical representations of the facilities and rooms \prime areas in the system is accomplished by "clicking" on the ADD or EDIT buttons that appear worksheets, as well as on many of the reports. When the ADD or EDIT buttons are clicked, the current facility, or room diagram opens in Visio®. CSSC has created a custom stencil structure is located. The templates support a wide variety of predefined tests (i.e. particulate, microbial), as well as user-defined tests (i.e. pH, pressure, chemical).

Environmental Monitoring System Graphical User Interface



The system has the ability to automatically assign identification numbers to survey test To activate this feature, the operator selects the Auto Assign Survey ID samples. checkbox The system also has the capability to require identification for any media lots and equipment utilized in the testing. To activate these features, the operator selects the Require Media Lots / Require Equipment ID checkboxes. The user may update the facility name, and reference the frequency of a facility's review (re-validation) utilizing the Facility Name and Review Frequency fields respectively. The periodic review status may be updated utilizing the checkbox on the screen. A facility can be activated by checking the Active checkbox. Inactivating a facility (such as one set up to perform a validation or specific testing) prevents inadvertently changing facilities, and data entry into a facility other than the current production environment. As with the Room / Area Maintenance, the EMSS assigns a unique ID to every Facility that is created in the database. This ensures that no duplications exist within the program.



Facility Status:

Active

Σ

EMS Test Facility Periodic Review: Facility Name:

Review Freq: Σ

Annually

Last Review:

K Auto Assign Sample ID
K Require Media Lot
R Require Equipment ID's

4 /30/2000 5/1/1999

Next Review:

Facility Diagram:









Last Maint Date:

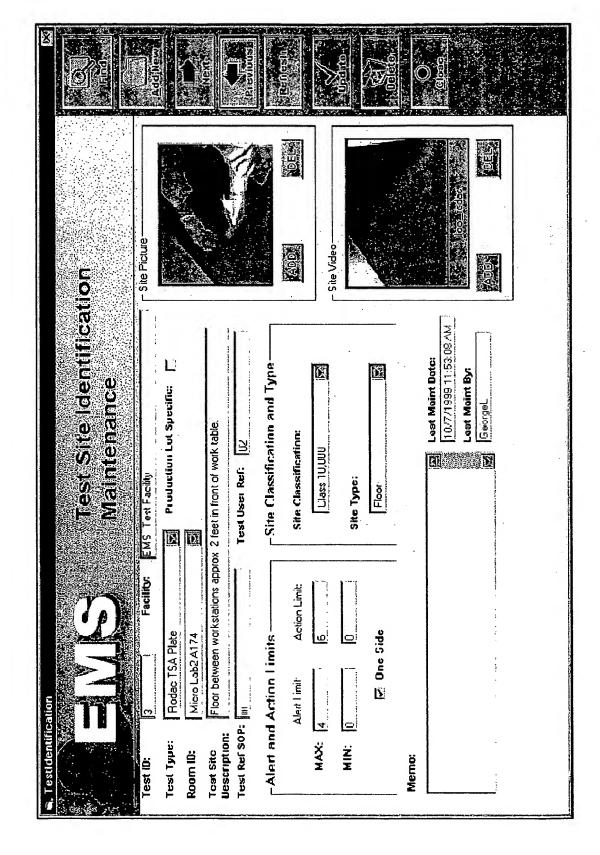
5/24/2000 11:11:05 AM

Last Maint By:

georgel

The user can review or perform maintenance on the test site information utilizing the classification, test site description, reference SOP, user reference number, the alert and Test Site Maintenance screen. The test identification information which can be configured when a site is identified includes the test type, room identification, site type, site action limits, and any comments associated with that site. The Test Identification Maintenance screen may be accessed by utilizing the Database Maintenance drop-down menu and selecting Test Site Identification. To enhance comprehension of the test procedure a site picture and / or site video can visual representation of the referenced procedure, it also facilitates identification of the site be embedded in the software and viewed on this screen. The video clip not only provides a and potentially minimizes operator error.

Environmental Monitoring System Graphical User Interface



Both the Test Group Maintenance and Group Assignments functions can be accessed by utilizing the Database Maintenance drop-down menu and selecting Test Groups or Group Assignments, respectively. The user can establish groups based on the frequency with which specific tests are performed. Once the groups are set, and the rooms / areas and sites within those rooms are defined, tests can be assigned to a desired group (frequency). If all the test sites in a specific room are part of a specific group, they can all be selected by using the Select All button. The Remove All button will uncheck all those boxes that are selected. Test sites are selected individually by clicking on the checkbox adjacent to each location description for the current room.

New York And	Regulation (Control of the Control o	Group Assignments	Check Tests in Group	
三川島 Test Group Maintenance (Finds)	Group Description: Group Description: Weekly Tests Description: Weekly Tests Last Maint Date: Est Maint By: Last Maint By:	Select the Test Group Assignments	Select Room or Area Micro Lab A174 Micro Carary Sterily Stells Micro Cowning Area Micro Comning Micro Cowning Micro Cown	

To initiate a test by room / area or test ID, the user selects *Initiate Test* \rightarrow By Room / Area or Test ID from the Initiate or Update Environmental Tests drop-down menu. This action will bring up the Initiate Test By Room or Test ID screen, which allows the user to initiate an environmental survey according to its room location or its individual test ID. This in a similar manner off the same task bar function, as well as by double clicking on the is typically used for sites to be tested that are not part of a specific group (e.g. retesting a site as a result of an excursion, or an infrequently tested site). Group Tests can be initiated highlighted date on the main menu and choosing the Initiate EMS Survey radio button and clicking Continue. After the test(s) has been selected, the user is prompted for personnel identification, product code, lot number, and shift information on Survey screen. The user may then direct the EMSS to generate the documentation required to perform the selected test(s) by The printed worksheets are used by the Technician to record all pertinent sampling clicking on the *Initiate* button. The system can be set to display a preview of the Survey Worksheet. The user may print the generated worksheets by clicking on the print button.

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Print Worksheet							

The user can also elect to have bar code labels printed for the tests outlined on the samples. The bar code labels that are generated by the EMSS are typically printed on a laser printer on a standard self-stick Avery® label stock. A wedge or wand type bar code Survey Worksheet. Bar codes provide an effective and efficient means of identifying reader is used to scan these labels when plates are scheduled to be read from the lab. In order to select the survey to be updated from the worksheets, the user selects the Record Survey Data radio button from the Select Activity menu accessed by double clicking the highlighted date on the calendar.

The user can view All OPEN surveys or All Surveys for a given date or date range. Highlighting the desired Survey # and clicking Select, will open that survey update form.



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	Status	Inc Survey	inc Survey			SEQ STORES
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Once a particular survey is selected from the EMS Survey Data Update screen, the Survey Data Entry / Update screen opens, and displays a drop down menu for each of the rooms included on the survey, as well as a drop down for each test type in that room on that survey (i.e. Rodac TSA Plates, Non-Viable Particulate, etc.). Selecting from these two drop down menus will display all the survey data fields for that test type and room in the table below. The user is prompted in the Status column to enter the required data in the appropriate field for Sample ID's are that specific row (e.g. Sample Date/Time, Sample By, On Test Date/Time, etc.). assigned a unique number if this feature has been selected for the current facility.

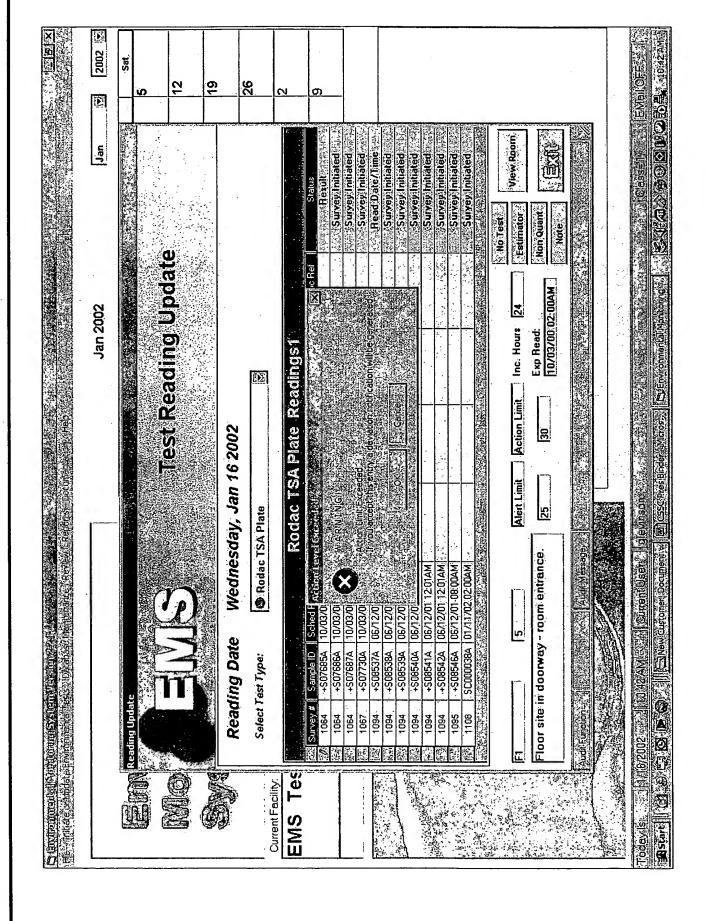
tables will be displayed on the drop down. The maintenance for these fields is accessed from the main down menus in the individual fields. Only those media lots or equipment "flagged" as being within the expiration date or calibration date in the Media Growth Promotion Test and Equipment Calibration Data screen database / maintenance drop down menu, and selecting Media Growth Promotion Test or Equipment Calibration Data. Equipment ID's and Media Lots can be defaulted to a single selection by The Media Lot number (if applicable), and the Equipment ID fields are selected utilizing the droputilizing the Edit Equip ID's or Edit Media Lots buttons, respectively. A "No Test" may be recorded for a particular sample by clicking on the No Test button on the screen. If the survey result is a No Test, the system will prompt the user for an explanation via the No Test Confirmation screen. The individual room in which you are updating data can be viewed at any time by clicking on the View Room button. Additionally, Notes may be added to the record

Edit Media Section Not State of the State Not Started View Ro m Sample Date/IIme Equipment ID Survey Data Update Not Started F4 01/10/0212:00AM JRadigan | SC000015A | 01/10/0212:00AM | Not Started Edit Equip ID's Status No Test Note © Static Room Activity Level-On Test By 24 01/11/02 12:00AM Rodac TSA Plate Viable2 Inc. Hours Exp Read: 01/10/02 12:00AM 01/10/02 12:00AM SC000026A 01/10/02 12:00AM SC000014A 01/10/02 12:00AM Group Desc: Daily Tests On Test Date Action Limit 30 SC000040A SC000039A Sample ID Survey.No. 1108 Alert Limit 25 Rodac TSA Plate Sample By JRadigan JRadigan JRadigan JRadigari Select Room/Area Micro Lab 1 rr F2; 01/10/02 12:00AM 01710702 12:004M S 01/10/02 12:00AM Sample Date Fl or it in center of room. 7 Test ID Select Test Type: Test ID Ref Audit Fünction i i Rooms In F5 est ID Ref Survey

that test survey. A No Test may be entered for a sample by clicking on the No Test button. If the survey results The test reading values may be entered onto the Test Reading Update screen. If the value is calculated utilizing the Estimator function the displayed value is noted with a block letter "E". If the test result is a Non system will prompt the user for confirmation of the non-quantifiable condition, and create a deviation record for in a No Test condition, the system will prompt the user for confirmation using the No Test Confirmation screen. Quantifiable (or TNTC) condition, this may be entered into the system by clicking on the Non Quant button.

a message is displayed for the operator to acknowledge. If an action limit or alert limit is exceeded, the Action confirmation of the excursion condition. The user may confirm the action / alert limit was exceeded for the survey by clicking the OK button; the entered number is then written to the EMSS database. If the user selects the Cancel button, the active field in the Test Reading Update table is "erased" and must be entered again. If an action limit is exceeded and confirmed by the operator, a deviation record is automatically generated for subsequent processing and corrective action. A deviation can also be manually generated when an alert limit is exceeded. The EMSS automatically generates and sends an e-mail notification message to the appropriate As data is entered, if the alert or action level (displayed at the bottom of the screen) is exceeded for a test, company personnel notifying them of all aberrant conditions. The EMSS will automatically generate a historical Level Exceeded or Alert Level Exceeded message boxes are displayed, respectively. profile for the aberrant site and attaches it to the e-mail notification. If an alert level is exceeded and confirmed by the operator the entered number is then written to the EMSS database. The EMSS also automatically generates and sends an e-mail "adverse trend" message to the appropriate company personnel notifying them of the aberrant condition. A historical profile is attached to this email message, as well.

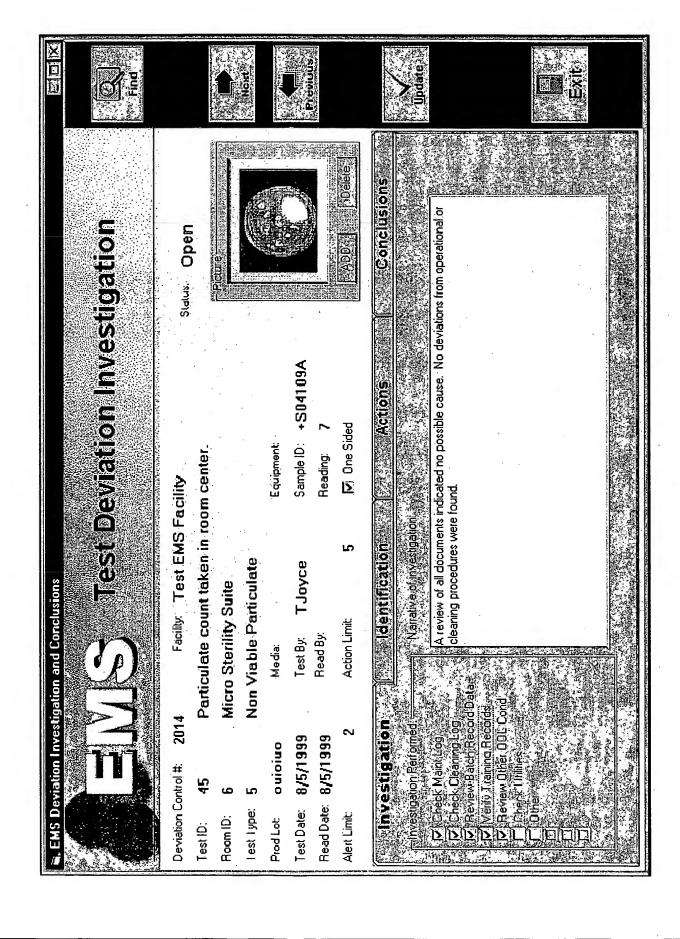
The total number of current deviations in need of resolution is displayed on the main menu screen. Deviations must be resolved using the Test Deviation Investigation form accessed from the main menu Initiate or Update Environmental Tests.



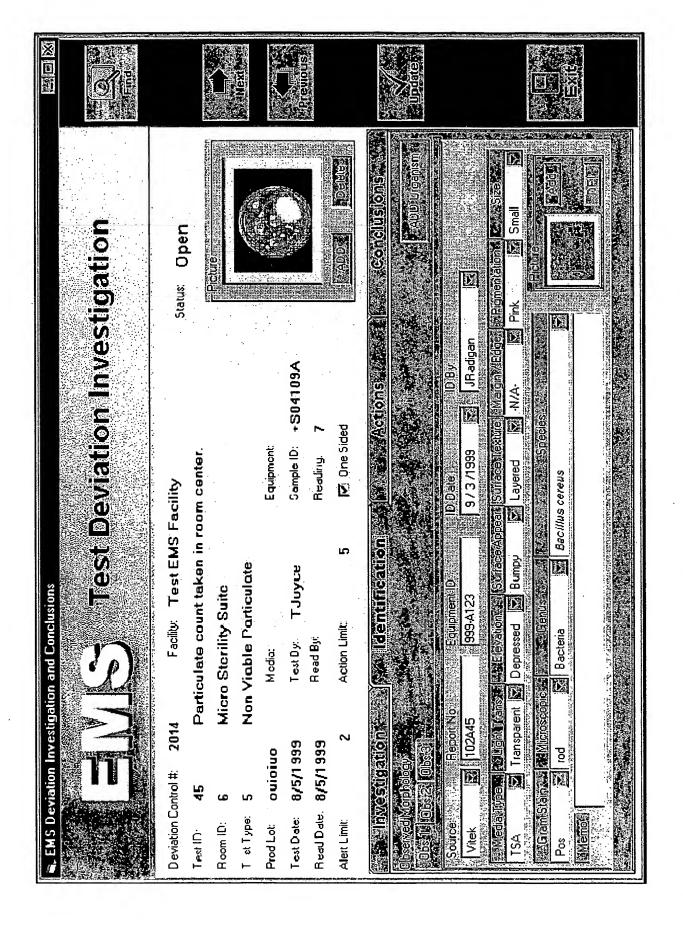
The user can access the Test Deviation Investigation screen by utilizing the Initiate or Update Environmental Tests drop-down menu and selecting Update Deviation Investigation. A deviation record is automatically generated in the event the results of the survey exceed the relevant testing limits. Following any investigation into the details of the deviation in question, the corrective actions and final conclusions are documented in order to resolve the deviation. The Test Deviation Investigation screen contains tabs for Investigation details, Identification (morphology) details, Actions narrative, and Conclusions reached as a result of the deviation

the right of the Test Deviation Investigation screen. The EMSS automatically retrieves all pertinent The user can scroll through all existing deviation records by utilizing the Next / Previous buttons on information for the current deviation and displays this in the General tab. The checkboxes (user created) on the left side of the Investigation tab along with the text box on the right are used to describe in detail the particulars of the investigation The Actions tab contains a text box, which may be used to enter the description for the actions

The Conclusions tab may be used to describe the final conclusions for the deviation and its resolution status using the Close checkbox. Identification of the individual resolving the deviation, as well as the date and time of its resolution, must also be specified.



If applicable, results for Gram Stain procedures performed can be captured, along with the morphology characteristics may also be recorded. The organism morphology drop down menus on the Identification tab can be created by the user from the Text Support Tables accessed from the Database identification of the organism(s) genus and species on the Identification tab; macroscopic organism Maintenance / Review drop down.

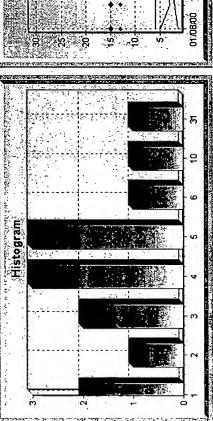


The Environmental Monitoring System includes a complete reporting package for and database listings information, as well as a wide variety of reports summarizing presentation, analysis, and review of all input test survey data, all relevant testing detail, analyzed and processed surveys. The Management Reports include a trend analysis package that can retrieve data This is useful for from a selected time period for presentation and review on demand. internal reviews, customer / client audits, regulatory inspections, etc.

Test Site Data Graphs

Micro Lab2 A174 Room:

Test Site: Floor in center of room.

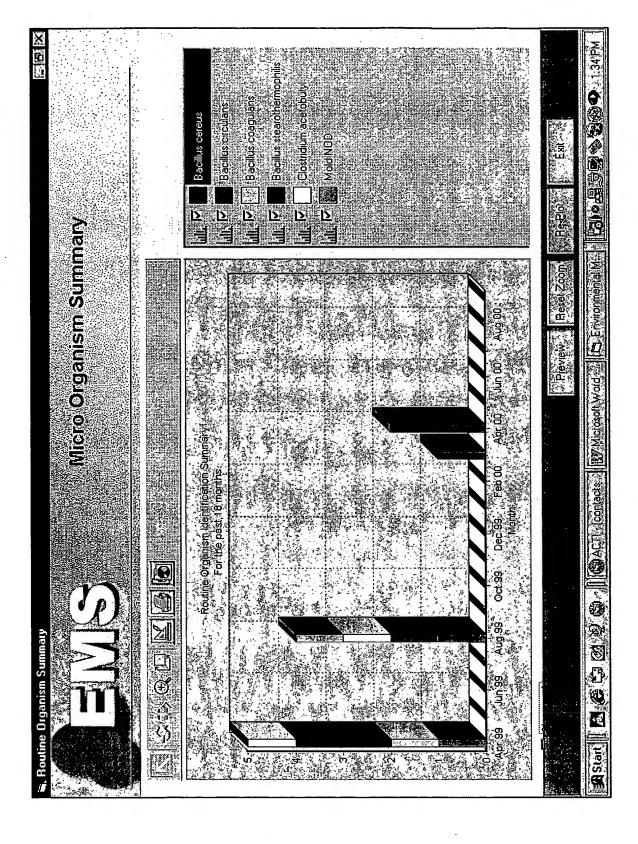


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2	1/15/2000,10:30:05 PW	1040			GeorgeL	₹206945¢	1/23/2000 12:36:05 AM	
N.	1/22/2000 5:30:05 PM	1041	-		GeorgeL	₩98690S+	1/29/2000 8:29:05 PM	12
23	1/25/2000,11:30:05.PM	1042	1. 八多學派之本		George	**************************************	2/2/2000 2.14:05.AM	
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t T	2/20/2000 4:30:05 AM	1045			JTH	+S07150A	2/27/2000 5:55:05 AM	
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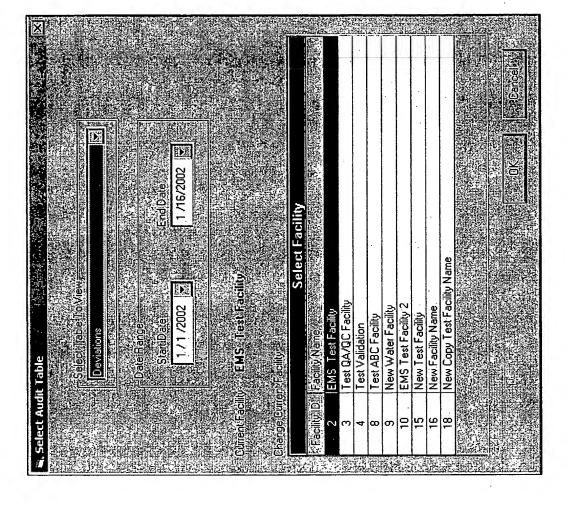
frequencies and trends. Organisms added to the genus / species drop down menu created by the user can be "flagged" as objectionable. When identified, the EMSS will treat this as Routine organism identification data can be retrieved and displayed to reveal an excursion, and generate an e-mail along with the corresponding document for the site.



The EMSS meets the electronic records and electronic signature requirements of 21CFR Part 11. Some of the EMSS features include a required logon using a valid user name and password; multiple levels of security with defined access to the application; unauthorized access to the program; time out feature logging off the user during a defined period of inactivity; full featured, independent, non-modifiable audit trail; and sign in passwords that expire and can never be reused again; lock out feature preventing required to perform additions, deletions, modifications, and reviews of all records.

ъ, Electronic Signature Confirmation
Electronic Signature Confirmation
User ID: glevinson
User Name: George Levinson
Password:
Action:
Test Reading Update
Confirmation of this data maintenance signifies that you RANGELLANGE AND Have authorized these changes and your electronic
signature will be recolued for used mounications updates.

Actions that review, create, modify or delete records are retained for viewing and / or The independent and non-modifiable Audit function provides for secure, computergenerated date and time stamp of record changes and key operator entries and activities. printing. Reports can be generated for each facility by date range and specific table (audit record).



features for establishing test types. In addition to the USP model for Water Conductivity, test results can be captured for sites requiring two readings (e.g. samples that are incubated at two temperatures and incubation times), and multiple readings (e.g. particulate The recent annual upgrade to the EMSS included several new special processing samples).

🗘 Average of Two Readings: 19

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The multiple readings feature enables the user to capture up to 49 (7 \times 7 grid) results for a single sample, and select an average of the total.

standardized unit of measure and volume of air. Samples can be collected in cubic meters, In addition, a model was created to collect and calculate air samples, in a cubic feet, or liters and converted to a single unit of measure for reporting.

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Sample Historical Reports

Report Date:

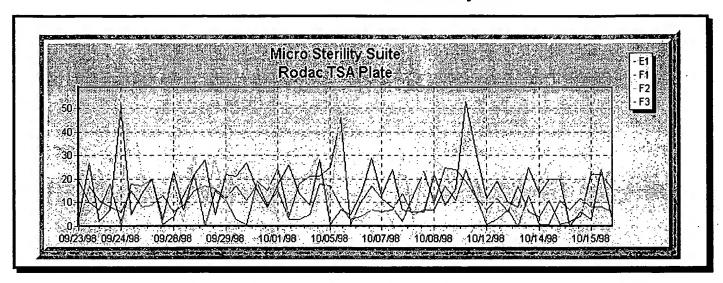
October 21, 1999



Facility EMS T

EMS T st Facility

Room Micro Sterility Suite



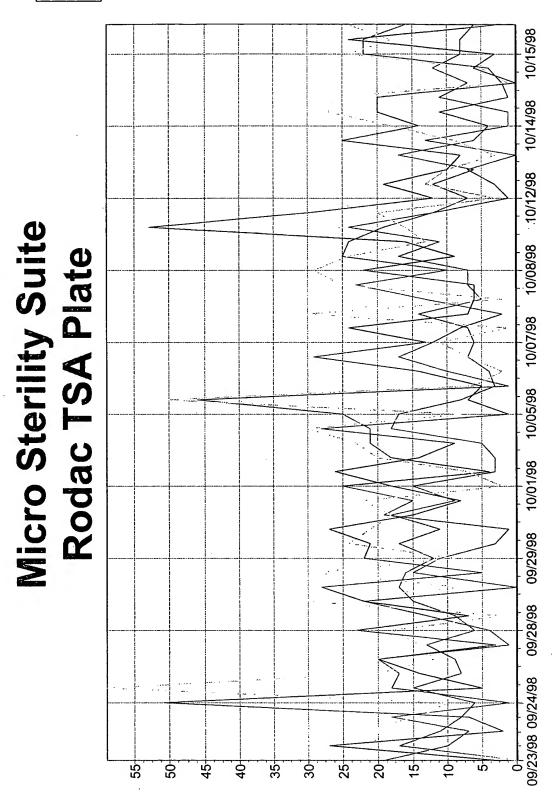
Test ID User Ref	Test Description	Test Date	Reading	Activity	TNTC	No T st
E1	Site on work surface				,	
		9/23/98	0.00	Static	No	No
		9/23/98	17.00	Static	No	No
		9/23/98	11.00	Static	No	No
		9/24/98	8.00	Normal	No	No
		9/24/98	6.00	Static	No	No
		9/24/98	15.00	Static	No	No
		9/25/98	8.00	Static	No	No
		9/25/98	9.00	Static	No	No
		9/25/98	13.00	Static	No	No
•		9/28/98	6.00	Normal	No	No
		9/28/98	9.00	Static	No	No
		9/28/98	15.00	Static	No	No
		9/29/98	17.00	Static	No	No
		9/29/98	16.00	Static	No	No
		9/29/98	12.00	Static	No	No
		9/30/98	17.00	Static	No	No
		9/30/98	11.00	Static	No	No
		9/30/98	18.00	Static	No	No
		10/1/98	100.00	Static	Yes	No
		10/1/98	9.00	Static	No	No
		10/1/98	15.00	Static	No	No
		10/2/98	3.00	Static	No	No
		10/2/98	3.00	Static	No	No
		10/2/98	5.00	Static	No	No
		10/5/98	18.00	Static	No	No



Facility EMS Test Facility
Room Micro Sterility Suite

Report Date:	October 21, 1999	
Test ID User Ref	Test Description	
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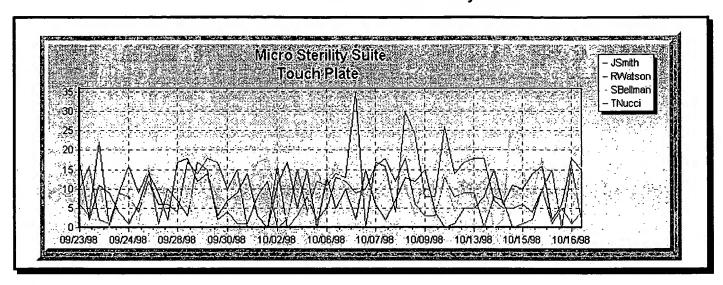


Report Date:

October 21, 1999



Facility EMS Test Facility
Room Micro Sterility Suite



Test ID User Ref	Test Description	Test Date	Reading	Activity	TNTC	No Test
JSmith	Touch plate taken with		J	•		
		9/23/98	10.00	Static	No	No
		9/23/98	16.00	Static	No	No
		9/23/98	2.00	Static	No	No
		9/24/98	1.00	Normal	No	No
		9/24/98	9.00	Static	No	No
		9/24/98	8.00	Static	No	No
		9/25/98	4.00	Static	No	No
		9/25/98	12.00	Static	No	No
		9/25/98	6.00	Static	No	No
	•	9/28/98	6.00	Normal	No	No
		9/28/98	4.00	Static	No	No
		9/28/98	17.00	Static	No	No
		9/29/98	14.00	Static	No	No
		9/29/98	18.00	Static	No	No
		9/29/98	17.00	Static	No	No
		9/30/98	10.00	Static	No	No
		9/30/98	0.00	Static	No	Yes
		9/30/98	15.00	Static	No	No
		10/1/98	300.00	Static	Yes	· No
		10/1/98	0.00	Static	No	No
		10/1/98	0.00	Static	No	No
	•	10/2/98	0.00	Static	No	No
		10/2/98	16.00	Static	No	No
		10/2/98	0.00	Static	No	No
		10/5/98	3.00	Static	No	No



Report Date:

October 21, 1999

Facility EMS Test Facility
Room Micro Sterility Suite

Report Date:	October 21, 1999	•	terility Suite			
Test ID User Ref	Test Description	Test Date	Reading	Activity	TNTC	No Test
		10/5/98	8.00	Normal	No	No
		10/5/98	2.00	Static	No	No
		10/6/98	5.00	Static	No	No
		10/6/98	13.00	Static	No	No
		10/6/98	12.00	Static	No	No
		10/7/98	9.00	Static	No	No
		10/7/98	10.00	Static	No	No
		10/7/98	16.00	Static	No	No
	,	10/8/98	18.00	Static	No	No
		10/8/98	12.00	Static	No	No
		10/8/98	300.00	Static	Yes	No
		10/9/98	18.00	Static	No	No
		10/9/98	6.00	Normal	No	No
		10/9/98	3.00	Static	No	No
		10/12/98	3.00	Static	No	No
		10/12/98	13.00	Static	No	No
		10/12/98	8.00	Static .	No	No
		10/13/98	9.00	Static	No	No
		10/13/98	9.00	Static	No	No
		10/13/98	0.00	Static	No	No
		10/14/98	8.00	Static	No	No ·
		10/14/98	7.00	Static	No	No
		10/14/98	0.00	Static	No	No
		10/15/98	1.00	Static	No	No
		10/15/98	2.00	Static	No	No
		10/15/98	10.00	Static	No	No
		10/16/98	1.00	Static	No	No
		10/16/98	5.00	Static	No	No
		10/16/98	1.00	Static	No	No
		10/19/98	4.00	Static	No	No
		10/19/98	13.00	Static	No	No
	,	10/19/98	3.00	Static	No	No
		10/20/98	17.00	Static	No	No
•		10/20/98	4.00	Static	No	No
		10/20/98	1.00	Static	No	No
		10/21/98	300.00	Static	Yes	No
		10/21/98	5.00	Static	No	No
		10/21/98	5.00	Static	No	No
		10/22/98	12.00	Static	No	No
		10/22/98	7.00	Static	No	No

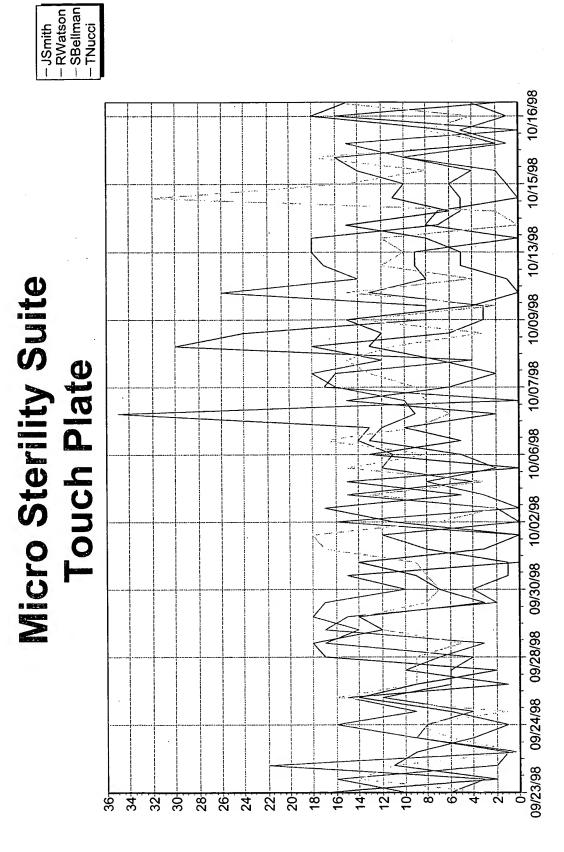
10/22/98

8.00

Static

No

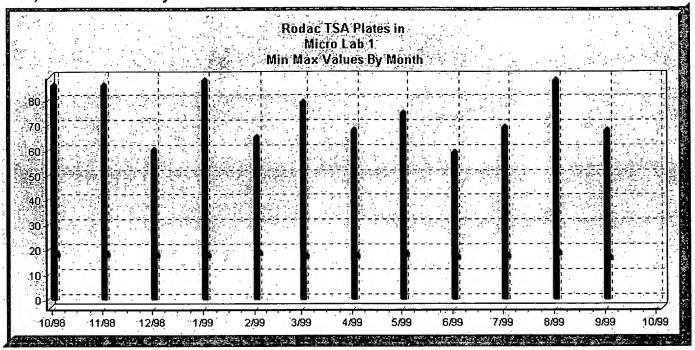
No



T st Type Summary By Room

12 Month Summary for Rodac TSA Plates in Micro Lab 1

Facility: EMS Test Facility



Min, Max, Average and number of Surveys (excludes No Test and TNTC or Non Quantifyable readings)

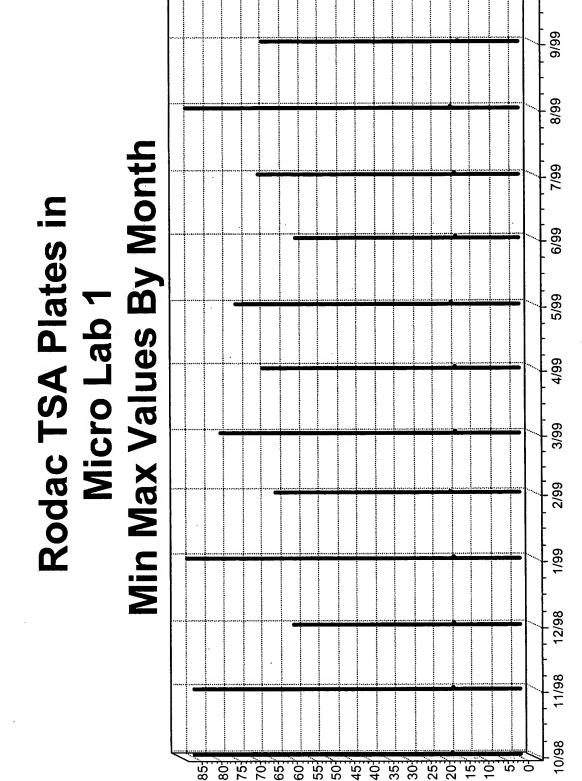
	Oct,98	Nov,98	€Dec,98*	Jan,99	Feb,99	Mar,992	Apr,99	May,99	Jun,99	Jul,99	Aug,99	Sep,992	Oct,99
Min	0	0	0	0	0	0	0	0	0	0	0	0	
Max	85	85	59	87	64	78	67	74	58	68	87	67	
Avg	17.42	17.27	16.82	16.96	17.87	16.51	16.51	17.44	16.23	16.57	17.65	15.58	
Count	379	354	400	359	346	388	382	362	379	380	377	276	

N Test Summary

	 Oct,98 ∂	Nov,98≥	Dec,98	Jan,99	Feb,99	Már,99	Apr,99	May,99	Jun,99	″Jul,99	Aug,99	Sep,99⊀	Oct,99
Count	7	10	1	6	5	7	7	6	2	7	6	8	

Alert and Action Limit Excursions

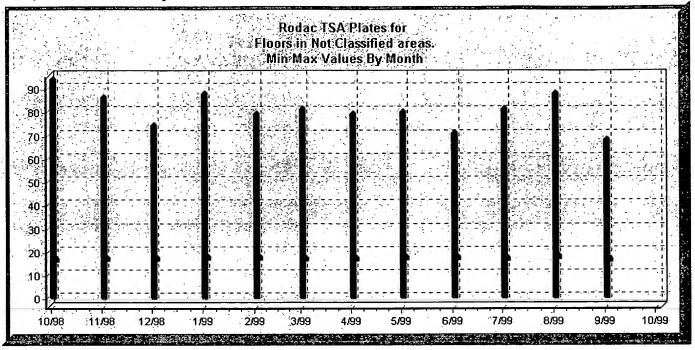
	Oct,98	Nov,98	Dec,98	Jan,99	Feb,99	Mar,99	Apr,99	May,99	Jun,99	Jul,99	Aug,99	Sep,99	Oct,99
>Alert	66	57	67	52	75	67	70	68	64	62	67	43	
>Action	31	30	38	32	30	34	26	30	30	26	35	18	
OK	292	281	308	288	250	306	293	274	300	301	288	219	



Test Site Summary By Test Site and Classification

12 Month Summary for Rodac TSA Plat s for Floors in Not Classifi d areas.

Facility: EMS Test Facility



Min, Max, Average and number of Surveys (excludes No Test and TNTC or Non Quantifyable readings)

	. Oct,98∉	Nov,98	Dec,98	Jan,99	Feb,99	Mar,99	Apr,99	May,99	Jun,99	Jul,99	Aug,99	Sep,99	Oct,99
Min	0	0	0	0	0	0	0	0	0	0	0	0	
Max	93	85	73	87	78	80	78	79	70	80	87	67	
Avg	15.78	16.2	16.14	16.45	16.8	16.16	16.28	16.53	16.59	16.3	16.87	15.97	
Count	1349	1278	1424	1289	1227	1434	1350	1283	1373	1341	1353	1007	

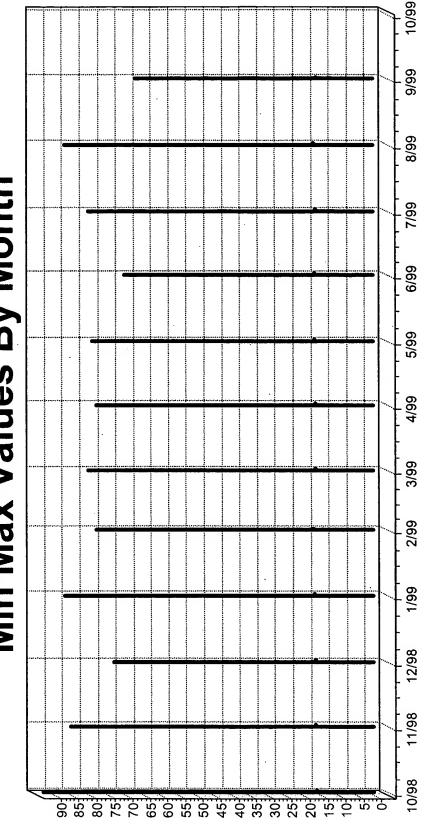
N T st Summary

	©Ct,98 €	Nov,98	Dec,98	Jan,99	Feb,99%	Mar,994	Apr,99	May,99	-Jun,99	Jűl,99∗	Aug,99	Sep,99	Oct,99
Count	25	32	29	29	30	26	30	27	25	23	18	21	
	ļ												

Alert and Action Limit Excursions

	Oct,98	Nov,98	Dec,98	Jan,99	Feb,99	Mar,99	Apr,99	May,99	Jun,99√	⊎Júl,99	Aug,99	Sep,99	
>Alert	292	292	339	322	321	347	341	302	336	314	333	232	
>Action	95	110	115	93	96	108	87	109	122	114	104	78	
OK	994	915	1018	905	845	1020	948	911	961	955	951	733	

Rodac TSA Plates for Floors in Not Classified areas. Min Max Values By Month



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Environmental Monitoring System			SULVEY/RESUITS/ELY/PROUME:
	Product:	1234	Facility: EMS Test Facility
Report Date: 10/20/1999	Lot #:	5678	

	I	100									
			zz	zz	zz	zz	zz	zz	zz	zz	zz
		Sample ID	+S03505A 27	+S03509A 18	+S03513A 18	+S03510A 98	+S03512A 22	+S03511A 45	+S03507A 35	+S03508A 47	+S03506A 22
			8:34:00AM	8:34:00AM	8:34:00AM	8:34:00AM	8:34:00AM	8:34:00AM	8:34:00AM	8:34:00AM	8:34:00AM
		Read Date	7/18/99 TJoyce	7/18/99 TJoyce	7/18/99 TJoyce	7/18/99 TJoyce	7/18/99 TJoyce	7/18/99 TJoyce	7/18/99 TJoyce	7/18/99 TJoyce	7/18/99 TJoyce
Survey Shift: 1	iption Water Room #1	* Pentagon Company of the Company of	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech	7/13/99 12:00:00AM TestQATech
1501 Survey Date: 7/13/99 Survey	RefNo Water 1 Room Description		prostruction Testing Mater TOC sample taken at city line	Water TOC sample taken after RO tank (first RO loop system port)	Water TOC sample taken at 0.2 micrometer absolute filter inlet	Water TOC sample taken at 0.2 micrometer absolute filter outlet	Water TOC sample taken at RO membrane 3	Water TOC sample taken after UV unit 1	Water TOC sample taken after RO pre-filter/before overflow line	Water TOC sample taken after RO pre-filter/after overflow line (TS)	Water TOC sample taken after carbon tank
o N		Vater T(478	262	267	268	259	253	255	256	479
Survey Contol No.	Room ID: 30	Water TOC	POT-SPV-00	ROL-SPV-00	ROL-SPV-00 5	ROL-SPV-00 6	ROU-SPV-00	WPL-SPV-00 5	WPL-SPV-00 8	WPL-SPV-00 9	WPL-SPV-01

of 1 Page: 1

Date:

Report Date:

10/20/99

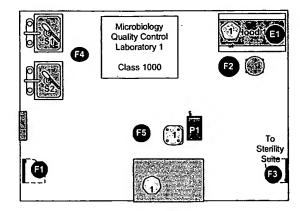


Room ID 4

Room Ref I MicroLab1

Room Description

Micro Lab 1



Test ID	Test UserRef	Test Description	Alert Limit	Action Limit	Test Date	Shift ·	Reading	Condition
15	F3	Floor site in doorway - to sterility suite.	25	30	09-01-1999	1	100	> Action
19	S1	Swab sample within sink 1.	40	50	09-01-1999	1	93	> Action
19	S1	Swab sample within sink 1.	40	50	09-03-1999	1	89	> Action
13	F1	Floor site in doorway - room entrance.	25	30	09-06-1999	3	39	> Action
20	S2	Swab sample within sink 2.	40	50	09-06-1999	2	54	> Action
21	1	Fallout plate within laminar flow hood.	2	3	09-06-1999	3	5	> Action
14	F2	Floor site in front of laminar flow hood.	25	30	09-07-1999	2	100	> Action
16	F4	Floor site in front of sinks.	35	45	09-07-1999	3	100	> Action
19	S1	Swab sample within sink 1.	40	50	09-07-1999	2	300	> Action
23	1	Airborne contamination count taken in center of room.	30	40	09-07-1999	2	300	> Action
23		Airborne contamination count taken in center of room.	30	40	09-07-1999	3	61	> Action
	F5	Floor site in center of room.	25	30	09-08-1999	1	58	> Acti n
18	E1	Site on work surface of laminar flow hood.	15	20	09-08-1999	3	33	> Action
23	1	Airborne contamination count taken in center of room.	30	40	09-09-1999	3	300	> Acti n
16	F4	Floor site in front of sinks.	35	45	09-10-1999	3	67	> Acti n
21	-	Fallout plate within laminar flow hood.	2	3	09-10-1999	1	300	> Action
	E1	Site on work surface of laminar flow hood.	15	20	09-13-1999	2	34	> Acti n
19	S1	Swab sample within sink 1.	40	50	09-13-1999	2	300	> Action
16	F4	Floor site in front of sinks.	35	45	09-14-1999	2	59	> Action
23	1	Airborne contamination count taken in center of room.	30	40	09-14-1999	1	300	> Action
13	F1	Floor site in doorway - room entrance.	25	30	09-15-1999	1	, 53	> Action
13	F1	Floor site in doorway - room entrance.	25	30	09-15-1999	3	56	> Action
15	F3	Floor site in doorway - to sterility suite.	25	30	09-15-1999	3	56	> Action
18	E1	Site on work surface of laminar flow hood.	15	20	09-15-1999	3	26	> Action
21	1	Fallout plate within laminar flow hood.	2	3	09-15-1999	2	5	> Action
23	1	Airborne contamination count taken in center of room.	30	40	09-15-1999	1	50	> Action
13	F1	Floor site in doorway - room entrance.	25	30	09-16-1999	1	46	> Action
- 13	F1	Floor site in doorway - room entrance.	25	30	09-16-1999	3	31	> Action
17	F5	Floor site in center of room.	25	30	09-16-1999	1	58	> Action

CSSC Pharmaceuticals Page: 1

Report Date:	10/20/99	LS			" OS CONTRACTOR A		
23 1	Airborne contamination count taken in center of room.	30	40	09-16-1999	3	300	> Action
13 F1	Floor site in doorway - room entrance.	25	30	09-17-1999	2	51	> Action
21 1	Fallout plate within laminar flow hood.	2	3	09-17-1999	1	4	> Action
23 1	Airborne contamination count taken in center of room.	30	40	09-17-1999	1	44	> Action
23 1	Airborne contamination count taken in center of room.	30	40	09-17-1999	3	78	> Action
18 E1	Site on work surface of laminar flow hood.	15	20	09-20-1999	1	100	> Action
19 S1	Swab sample within sink 1.	40	50	09-20-1999	2	300	> Action
20 S2	Swab sample within sink 2.	40	50	09-20-1999	1	300	> Action
21 1	Fallout plate within laminar flow hood.	2	3	09-21-1999	1	5	> Action
20 S2	Swab sample within sink 2	40	50	09-22-1999	2	71	> Action

CSSC Pharmaceuticals Page: 2

Report Date:

10/20/99

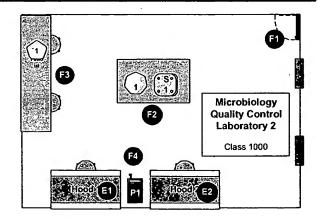


Room ID 5

Room Ref I MicroLab2

Room Description

Micro Lab2



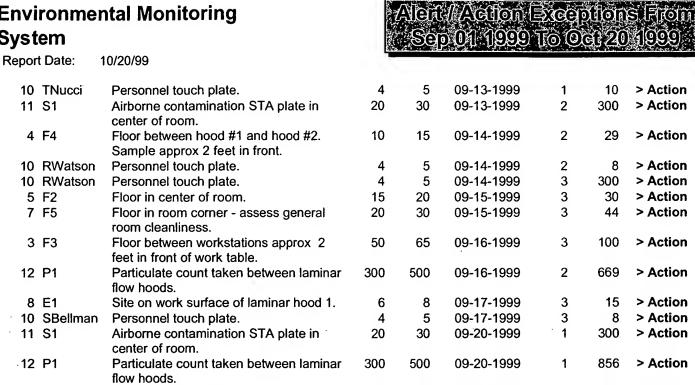
Test JD	Test UserRef	Test Description	· Alert Limit	Action Limit	Test Date	Shift	Reading	Condition
8	E1	Site on work surface of laminar hood 1.	6	8	09-01-1999	2	100	> Action
8	E1	Site on work surface of laminar hood 1.	6	8	09-01-1999	3	15	> Action
10	RWatson	Personnel touch plate.	4	5	09-01-1999	1	300	> Action
10	TNucci	Personnel touch plate.	4	5	09-01-1999	1	8	> Action
11	S1	Airborne contamination STA plate in center of room.	20	30	09-01-1999	1	60	> Action
11	S1	Airborne contamination STA plate in center of room.	20	30	09-01-1999	3	300	> Action
5	F2	Floor in center of room.	15	20	09-02-1999	1	100	> Action
9	E2	Site on work surface of laminar hood 2.	6	8	09-02-1999	3	12	> Action
	SBellman	Personnel touch plate.	4	5	09-02-1999	1	6	> Action
11	S1	Airborne contamination STA plate in center of room.	20	30	09-02-1999	1	300	> Action
3		Floor between workstations approx 2 feet in front of work table.	50	65	09-03-1999	1	100	> Action
4	F4	Floor between hood #1 and hood #2. Sample approx 2 feet in front.	10	15	09-03-1999	1	100	> Action
5	F2	Floor in center of room.	15	20	09-03-1999	´ · 1	27	> Action
8	E1	Site on work surface of laminar hood 1.	6	8	09-03-1999	2	100	> Action
10	TNucci	Personnel touch plate.	4	5	09-03-1999	1	300	> Action
4	F4	Floor between hood #1 and hood #2. Sample approx 2 feet in front.	10	15	09-06-1999	2	100	> Action
6	F1	Floor in doorway / room entrance	15	20	09-06-1999	3	25	> Action
6	F1	Floor in doorway / room entrance	15	20	09-07-1999	2	24	> Action
7	F5	Floor in room corner - assess general room cleanliness.	20	30	09-07-1999	2	. 52	> Action
10	SBellman	Personnel touch plate.	4	5	09-07-1999	2	300	> Action
3	F3	Floor between workstations approx 2 feet in front of work table.	50	65	09-09-1999	2	85	> Action
10	RWatson	Personnel touch plate.	4	5	09-09-1999	1	6	> Action
10	TNucci	Personnel touch plate.	4	5	09-09-1999	2	300	> Action
3	F3	Floor between workstations approx 2 feet in front of work table.	50	65	09-10-1999	1	100	> Action
10	JSmith	Personnel touch plate.	4	5	09-10-1999	3	7	> Action
5	F2	Floor in center of room.	15	20	09-13-1999	2	100	> Action
9	E2	Site on work surface of laminar hood 2.	6	8	09-13-1999	2	16	> Action
9	E2	Site on work surface of laminar hood 2.	6	8	09-13-1999	3	100	> Action

CSSC Pharmaceuticals Page: 3

3 F3

7 F5

10 SBellman



50 -

20

4

65

30

5

09-22-1999

09-22-1999

09-22-1999

Floor between workstations approx 2

Floor in room corner - assess general

feet in front of work table.

room cleanliness.

Personnel touch plate.

> Action

> Action

> Action

100

55

9

1

2

2

CSSC Pharmaceuticals Page: 4

Report Date: 10/21/99

Room/Area:

Micro Gowning Area

			1998							1999	66					otal
	6	10	1	12	Total	-	2	က	4	2	9	7	8	6	Total	
Floor site in doorway -	0	0	0	2	0	0	1	0	0	0	-	0	0	0	0	0
oom entrance.	9	90	100	5	100	9	75	100	4	9	9	9	90	100	5	9
	20	89	2	73	225	99	62	7	99	62	69	69	89	51	58	808
	23	22	53	56		21	21	22	8	27	22	24	56	56		
Sloor site in doorway	-	0	0	0	0	0	0	0	0	0	0	0	1	0 ·	0	0
eading to controlled	38	90	9	봈	100	9	9	9	38	5	5	5	9	9	100	5
area.	20	69	65	75	526	99	62	74	89	99	2	2	29	25	295	821
	5	13	13	우		4	15	12	-	4	17	16	14	18		
Floor site on clean site	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
of bench designating	20	901	9	9	100	100	46	38	32	5	5	5	5	9	5	5
class transition area.	8	2	29	73	230	65	62	74	29	65	29	2	2	25	285	822
	1	14	28	11		15	15	14	14	20	17	16	17	15		
Floor site on wash side	-	0	0	0	0	1	0	ļ	0	0	0	0	0	-	0	0
of bench designating	61	901	9	9	9	100	4	8	5	100	9	9	9	2	9	100
class transition area.	8	2	99	73	227	99	ည	7	89	99	2	29	2	6	290	817
	75	22	52	70		20	19	24	24	30	23	25	23	29		
Particulate count taken	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
n center of clean area.	9	တ	2	9	5	0	5	თ	5	∞	우	∞	9	_	우	6
	19	2	65	72	226	99	3	72	2	99	69	69	2	20	296	822
	က	က	က	က		3	2	3	3	3	3	3	2	2		
Particulate count taken	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
n center of wash area.	÷	2	œ	13	13	Ξ	12	우	F	o	=	5	5	7	5	5
	70	2	65	73	228	65	62	72	2	29	69	69	89	25	594	822
	4	ო	4	က		4	4	3	4	4	3	4	3	4		
RCS airborne	0	0	0	0	0	0	0	0	-	0	0	0	0	1	0	0
contamination sample	9/	300	8	300	300	300	300	300	900	8	1	300	300	300	300	300
aken in center of clean	19	69	2	74	226	99	6	72	2	3	7	69	2	51	594	820
ırea.	22	24	76	38		46	26	25	27	37	21	88	78	37		
RCS airborne	7	0	0	2	0	0	-	1	0	0	0	0	0	7	0	0
contamination sample	300	96	300	93	300	300	300	300	300	93	300	99	300	300	90	300
aken in center of wash	20	69	29	73	229	29	62	73	89	99	7	69	69	20	292	824
area.	75	စ္တ	સ	83		37	43	3	35	25	36	39	38	40		
Swab sample within	0	0	7	0	0	0	0	0	0	1	. 7	0	1	2	0	0
sink 1.	300	300	300	300	300	300	300	300	300	300	300	300	300	142	300	300
	2	69	99	73	228	65	6	7	69	99	7	29	89	51	285	820
	29	26	41	47		29	52	49	40	63	49	4	46	43		
Swab sample within	0	0	1	0	0	0	7	-	0	0	0	0	7	_	0	0
sink 2.	93	122	300	300	300	300	119	300	300	300	300	300	8	300	300	300
	8	69	99	7	226	65	2	73	88	29	69	69	89	25	292	821
	41	41	47	48		99	41	23	47	27	67	25	,	6		

Page 1 of 2

ALZ Month Historieal Deita By Room

Environmental Monitoring System

10/21/99 Wall site near doorway room entrance. Wall site on near wall general cleanliness Wall site near door leading to controlled Report Date:

100 223

300 300 10,647

0 2 8 8

0 100 592

88 69 69 67 67 67 67 67 83 89 89

0 126 227

otal

0 127 817

0 127 590

0 100 814

Total 0 100 591

Total

1999

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Page

Report Date: 10/21/99

Room/Area:

Micro Lab 1

_			1998							•	888					
J	6	10	11	12	Total	-	2	က	4	S	9	7	8	6	Total	
Airborne contamination	9	0	0	-	0	-	0	0	0	0	-	0	0	0	0	0
count taken in center of	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
oom.	18	99	62	89	214	63	29	29	99	62	65	. 29	8	46	227	171
	4	23	39	32		32	23	. 9Z	27	35	31	8	45	48		
Fallout plate within	0	0	0	0	0	.0	0	0	0	0	. 0	0	0	0	0	0
aminar flow hood.	2	300	9	300	300	300	300	300	300	300	300	ĸ	300	300	300	300
	20	65	63	69	215	62	29	89	65	62	65	65	3	84	228	773
	7	15	7	9		=	~	10	7	9	9	2	7.	8		
loor site in center of	0	0	0	0	0	0	0	-	0	-	0	1	1	-	0	0
	9	9	100	\$	100	8	100	5	46	9	9	5	9	28	9	19
	8	3	61	69	212	9	9	29	2	61	65	2	63	47	551	763
	8	17	19	48		20	70	22	15	70	21	23	18	16		
Floor site in doorway -	2	0	0	-	0	0	0	0	0	0	0	-	0	0	0	0
oom entrance.	22	100	9	9	100	9	9	9	9	100	100	9	9	26	9	100
	8	65	63	69	215	63	29	89	3	62	99	62	65	45	554	269
	1	23	25	2		23	21	22	77	19	17	18	23	20		
Floor site in doorway -	0	0	0	0	0	0	0	0	-	0	0	0	0	-	0	0
o sterility suite.	9	9	90	9	100	9	5	5	5	5	9	9	9	5	5	9
•	17	65	61	69	212	62	29	69	99	83	99	99	99	46	263	775
	77	19	21	77		17	19	19	18	18	19	17	17	16		
Floor site in front of	0	-	-	0	0	0	0	0	0	0	0	0	0	0	0	0
aminar flow hood.	28	9	9	5	100	4	5	5	9	9	5	5	5	9	100	100
	8	63	61	69	211	63	29	29	65	62	99	99	65	47	260	771
	73	19	77	21		16	20	19	15	24	17	18	21	14		
Floor site in front of	-	-	0	0	0	-	0	0	0	0	0	0	0	0	0	0
	88	82	82	5	9	9	5	9	100	74	9	2	9	100	100	5
	8	99	9	89	212	. 62	28	89	65	62	99	65	99	47	228	771
	28	56	54	23		32	26	25	25	56	59	25	28	22		
Particulate count taken	46	0	0	0	0	0	0	0	53	0	0	0	0	12	0	0
n room center.	3,423	2,318	3,542	3,617	3,617	3,472	1,889	3,509	2,700	1,886	3,689	3,591	3,687	1,763	3,689	3,689
	8	3	အ	65	210	9	29	29	2	62	65	65	65	84	226	992
	1,279	864	1,109	1,081		1,077	918	992	1,090	804	990	906	1,163	925		
Settling plate taken on	33	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
work surface.	84	300	300	300	300	23	300	53	300	300	300	300	300	္က	300	300
	11	65	63	29	212	62	28	29	99	63	63	65	99	47	222	769
	11	23	27	22		17	27	17	20	53	56	21	33	4		
Site on work surface of	2	0	0	0	0	0	-	0	•	0	0	0	•	0	0	0
aminar flow hood.	9	9	100	2	100	18	100	9	9	37	5	5	9	9	9	100
	8	99	62	69	215	62	9	89	65	62	65	99	65	48	561	21/6
	,	ç	ç	72		-	7	4	**	•	-	·	¥	7		

3 of 25

12 Month Historical Data(By Roomlor Area)

Environmental Monitoring System

66/	
10/21	
10/21	
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Date:	
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Repor	

			1998							1999	66					Total
	6	19	11	12	Total	1	2	က	4	2	9	7	8	6	Total	
Swab sample within	0	0	1	-	0	-	0	-	0	0	0	0	0	0	0	0
sink 1.	98	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
	18	\$	62	65	509	63	28	89	. 69	62	3	3	99	46	226	292
	30	33	33	32		4	4	87	35	4	38	47	56	46		
Swab sample within	2	0	0	0	0	2	0	-	0	7	0	0	က	1	0	0
sink 2.	300	93	300	87	300	300	300	300	91	300	77	300	ဓ္က	300	300	300
	18	99	62	99	212	9	09	69	99	8	83	65	99	47	556	768
	26	78	29	78		43	4	43	56	47	53	33	38	34		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3,423	2,318	3,542	3,617	3,617	3,472	1,889	3,509	2,700	1,886	3,689	3,591	3,687	1,763	3,689	3,689
	214	779	743	813	2,549	743	708	813	784	743	6//	778	781	295	6,688	9,237

Min Max Count Average

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Page

A/2 (Nonth Histories) Details, Room or J

10/21/99 Report Date:

Room/Area:

Micro Lab2

ಠ S Page

25

112 Month literated Deta By Room or Area

Environmental Monitoring System

Report Date: 10/21/99

Fotal Fotal <th< th=""><th></th><th></th><th></th><th>1998</th><th></th><th></th><th></th><th></th><th></th><th></th><th>19</th><th>1999</th><th></th><th></th><th></th><th></th><th>Total</th></th<>				1998							19	1999					Total
0 0		6	10	=	12	Total	-	7	3	4	5	9	7	8	6	Total	
945 683 733 945 743 950 873 720 986 842 950 930 856 843 804 884 2,760 805 762 880 843 805 842 840 848 612 7	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
843 804 884 2,760 805 762 880 843 805 842 840 848 612 7		487	945	683	733	945	743	920	873	720	986	842	920	930	826	986	986
		229	3	804	884	2,760	802	762	880	2	802	842	₹	3	612	7,237	6,997

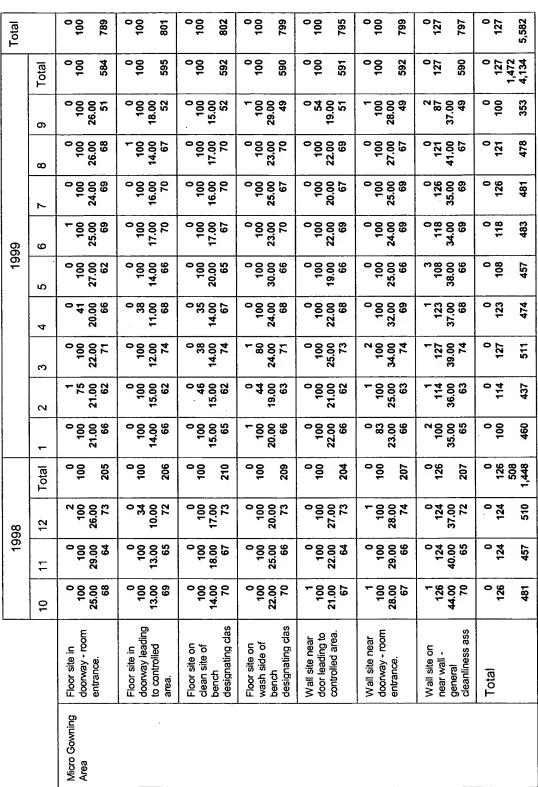
6 of 25

Page

Facility: EMS T st Facility

Report Date:

Rodac TSA Plate



Environmental Monitoring System Facility: EMS T st Facility



Total		100	0 100 751	0 100 758	0 100 753	0 100 753	0 100 758	0 100 4,518	0 100 751	130 755
_	Total	0 100 551	100	100 563	0 100 560	0 100 559	0 100 561	0 100 1,038 3,348	0 100 556	130
	6	1 58 16.00 47	0 56 20.00 45	100 16.00 46	100 14.00 47	100 22.00 47	100 13.00 48	100	100 12.00 48	100 44.00 47
	8	1 60 18.00 63	100 23.00 65	100 17.00 66	100 21.00 65	100 28.00 66	100 15.00 65	100	0 25 8.00 66	114 36.00 66
	7	100 23.00 64	100 18.00 62	100 17.00 . 66	100 18.00 66	100 25.00 65	10.00 10.00 66	100 389	100 14.00 65	122 33.00 64
1999	9	100 21.00 65	100 17.00 66	100 19.00 66	100 17.00 66	100 29.00 66	100 13.00 65	100 394	100 13.00 64	127 42.00 64
19	5	100 20.00 61	100 19.00 62	100 18.00 63	100 24.00 62	0 74 26.00 62	9.00 62	100 372	100 9.00 60	130 35.00 63
	4	. 46 15.00 64	21.00 64	100 18.00 66	100 15.00 65	100 25.00 65	100 14.00 65	0 100 389	100 10.00 66	0 122 36.00 66
	3	100 22.00 67	100 22.00 68	100 19.00 69	100 19.00 67	100 25.00 68	100 16.00 68	100	24 8.00 67	101 43.00 69
	2	100 20.00 60	100 21.00 59	100 19.00 59	100 20.00 59	100 26.00 58	100 14.00	0 100 355	100 10.00 59	34.00 59
	-	100 20.00 60	23.00 63	100 17.00 62	0 16.00 63	1 100 32.00 62	100 12.00 62	0 100 372	14.00 14.00	111 40.00 62
	Total	100 194	100	001 195	193	0 100 194	100	100 356 1,170	195	123 195
1998	12	100 18.00 69	100 20.00 69	100 21.00 69	21.00 69	100 23.00 68	13.00	100	13.00 69	123 41.00 69
19	11	100 19.00 61	100 25.00 63	21.00 61	100 22.00 61	24.00 60	100 12.00 62	100	100 11.00 61	114 40.00 62
	10	100 17.00 64	100 23.00 65	100 19.00 65	100 19.00 63	1 85 26.00 66	13.00 66	100	10.00 10.00 65	100 36.00 64
		Floor site in center of room.	Floor site in doorway - room entrance.	Floor site in doorway - to sterlity suite.	Floor site in front of laminar flow hood.	Floor site in front of sinks.	Site on work surface of laminar flow hood.	Total	Floor between hood #1 and hood #2.	Floor between workstations approx 2 feet in front of work tab
		Micro Lab 1							Micro Lab2	

Environmental Monitoring System Facility: EMS Test Facility



ter 10 11 12 12.00 18.00 14.00 12.00 18.00 14.00 65 63 68 63 68 68 63 68 68 62 67 68 62 60 100 15.00 15.00 19.00 66 60 60 60 67 100 15 00 100 67 100 100 100 68 60 68 68 69 60 68 68 60 100 100 60 100 6											ğ 0
oom 100 100 100 12.00 18.00 65 63 63 63 63 63 63 63 63 63 63 65 65 65 65 65 65 65 65 65 65 65 65 65	Total 1	2	က	.4	. 2	9	7	8	6	Total	
work 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	100 100 13.00 196 62	17.00	19.00 66	100 14.00 65	14.00 63	13.00	0 14.00 66	12.00 12.00 64	100 14.00 48	0 100 558	0 100 754
rroom 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 100 15.00 196 62	100 12.00 57	13.00 68	100 15.00 64	100 15.00 63	0 40 11.00 64	100 13.00 66	100 15.00 66	25 9.00 46	100 556	0 100 752
work 0 0 15 Flood 1. 8.00 4.00 work 0 0 0 of hood 2. 9.00 6.00 rhood 2. 9.00 6.00 rhood 2. 457 431 ite in 0 0 0 vy-room 59 100 oy-room 16.00 18.00 ox-room 64 60	. 0 100 100 195 63	100 20.00 58	16.00 68	100 18.00 65	100 19.00 63	52 17.00 66	. 48 16.00 63	1 55 19.00 65	1 55 17.00 48	0 100 559	0 100 754
work 0 0 0 100 100 100 100 100 100 100 100	100 100 100 9.00 194 60	5.00 5.00	0 100 6.00 68	0 16 4.00 64	0 100 9.00 62	0 100 9.00 64	100 7.00 66	0 100 7.00 65	100 100 9.00 48	0 100 556	100 750
ite in 69 100 114 457 431 16.00 18.00 99.00 18.00	0 100 13.00 194 63	0 100 6.00 58	0 100 8.00 66	0 100 6.00 65	0 100 6.00 61	0 100 8.00 66	0 100 9.00 65	0 100 8.00 65	100 6.00 47	0 100 556	0 100 750
0 59 100 16.00 64 60	0 123 111 334 1,365 433	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	101	122 455	130	127	0 122 455	0 114 457	0 100 332	0 130 986 3,901	0 130 5,266
	0 100 100 22.00 192 62	100 17.00 57	100 17.00 68	0 57 16.00 66	0 100 20.00 62	100 15.00 66	100 20.00 64	0 100 20.00 65	100 20.00 48	100 558	100 750
Floor site in 1 0 0 front of laminar 100 100 100 flow hood. 16.00 22.00 64 60 69	0 100 14.00 193 60	100 16.00 59	100 16.00 69	100 16.00 66	100 21.00 62	0 46 15.00 66	100 15.00 66	0 18.00 65	13.00 48	0 100 561	100 754
Floor site in 0 0 0 0 0 0 0 100 100 100 100 100 100	0 100 18.00 193 62	0 56 14.00	1 100 20.00 69	100 17.00 65	0 57 16.00 63	17.00 43.	100 21.00 66	100 17.00 64	100 20.00 46	100 558	0 100 751

Environmental Monitoring System Facility: EMS Test Facility



		·	r				.	-		
Total		100	0 100 3,005	100	0 40 51	100	100	100	0 100 51	50
	Total	100	0 100 585 2,235	50	04 88	100	100	100	100	50 37
	6	11.00 11.00 47	0 100	28 50 43.00 4	0 22 12.00	13 37 24.00 3	24 43 35.00	45 28.00	62 40.00	04 to 4
	8	9.00 66	100	11 36 23.00 3	16 32 26.00 4	23 38 30.00 4	37 23.00 4	100 58.00	10 44 26.00 4	16 50 39.00 4
	2	13.00 65	0 100 261	21 42 32.00	1 38 19.00 4	21 11.00 4	100 34.00 4	7 30 18.00	13 44 31.00 4	30.00 4.2
66	9	16.00 16.00 65	0 100 261	47 31.00 5	33 19.00 5	14 37 25.00 5	27.00 5	12 40 26.00 5	12 39 23.00 5	17 36 24.00 5
1999	5	13.00 62	0 100 249	11.00 4	28 14.00 4	7 19 14.00	11 30 21.00 4	100 41.00 4	13 100 42.00	14.00 4
	4	100 15.00 65	0 100 262	25 4.00 4	38 22.00 4	4 100 34.00	31 19.00 4	11 43 24.00 4	25 37 30.00 4	15 37 25.00 4
	3	31 10.00 68	0 100 274	16 44 29.00 5	10 40 25.00 5	12 33 21.00 5	38 23.00 5	11 43 22.00 4	42 19.00 5	19 40 31.00 5
	2	100 14.00 58	100	37 43 39.00 3	11 7.00 4	3 67 30.00 4	18 32.00 4	90 45.00	18 40 32.00 4	200.7
	-	13.00 62	100	14 35 21.00	31 17.00 4	0 47 20.00	23.00 4	0 88 39.00 4	27 11.00	6 41 28.00
	Total	100	0 100 202 770	100	39 . 13	1 100 13	35	2 56 11	100 13	-8 6
1998	12	15.00 66	100	33 40.00 5	26 10.00 5	1 39 23.00 5	8.00 5.5	29 11.00	100 40.00	42 15.00 5
19	11	100 11.00 60	100	45 26.00 4	27 38 34.00 4	2 40 20.00 4	35 17.00 4	88 90 £	100 43.00	43 43 4
	10	11.00 66 66	0 100 258	100 52.00 4	16 39 27.00 4	12 100 37.00	30 15.00 4	37 16.00 4	77 33.00 4	11.00 4
		Site on work surface of laminar flow hood.	Total	Floor site near doorway to room 101.	Floor site near doorway to room 102.	Floor site near doorway to room 103.	Floor site near doorway to room 104.	Wall site near doorway to room 101.	Wall site near doorway to room 102.	Wall site near doorway to room 103.
		Micro Sterlity Suite		Production Room 100 Hallway						

Facility: EMS Test Facility



Production Wall sile near 10 11 12 12 12 13 4 5 6 7 8 9 10 10 10 10 10 10 10				1998	86			·-			1999	96					Total
Total 10			10	11	12	Total	-	2	3	4	5	9	7	80	6	Total	
Floor site in a converse from the controlled area. 10	oduction oom 100 allway	Wall site near doorway to room 104.	30.00	33 17.00 4	4	72 2	63.00		42 14.00 5		6 43 19.00 4		3 26 16.00	13 42 32.00 4	20 44 33.00	0 100 37	00 100 49
Floor site in downway - room and the following controlled area.		Total	2 100 31	100	100	100	31	30 00	o 4 68	100 31	100	- 6 4	100	100 31	0 82 30	100 1,877 294	0 100 395
tie in rear 16.0 19.0 10.0 10.0 10.0 10.0 10.0 10.0 10	oduction oom 101 owning Area	Floor site in doorway - room entrance.	100 22.00 64	100 22.00 61	100 21.00 68	193	100 21.00 59	100 24.00 60	100 26.00 69	100 21.00 66	100 21.00 62	100 23.00 66	100 24.00 63	100 19.00 65	100 29.00 48	100	100
100 100 100 100 100 100 100 13.00 15		Floor site in wash area near bench designating das	50 16.00 65	100 19.00 63	100 19.00 67	195	100 19.00 62	100 19.00 60	100 21.00 68	100 20.00 65	18.00 62	19.00	18.00	19.00 19.00 66	100 22.00 45	100	100 753
100 100 100 100 100 100 100 100 100 14.00 15.00 15.00 14.00 14.00 17.00 14.00 14.00 15.00 15.00 14.00 14.00 100 100 100 14.00 14.00 15.00 15.00 14.00 14.00 100		Floor site near door leading to controlled area.	14.00 65	1 100 17.00 63	100 20.00 69	100	0 49 16.00 61	100 16.00 56	37 13.00 69	100 13.00 63	0 15.00 61	100 19.00 62	45 14.00 65	16.00 66	100 16.00 47	100	100 747
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1		Floor site on clean side near bench designating clas	100 17.00 64	14.00 61	100 18.00 67	100 192	100 20.00 63	1 100 21.00 59	100 17.00 68	0 44 14.00 66	100 15.00 63	100 15.00 65	18.00	15.00 15.00 66	0 41 14.00 47	100	100 753
100 100 100 100 41 100 17.00 15.00 <td></td> <td><u>8</u> .5</td> <td>100 19.00 66</td> <td>18.00 63</td> <td>100 23.00 68</td> <td>100</td> <td>100 20.00 61</td> <td>0 55 18.00 58</td> <td>0 59 18.00 68</td> <td>. 100 20.00 65</td> <td>100 18.00 62</td> <td>18.00</td> <td>53 17.00 64</td> <td>100 17.00 64</td> <td>44 17.00 74</td> <td>100</td> <td>100 100 750</td>		<u>8</u> .5	100 19.00 66	18.00 63	100 23.00 68	100	100 20.00 61	0 55 18.00 58	0 59 18.00 68	. 100 20.00 65	100 18.00 62	18.00	53 17.00 64	100 17.00 64	44 17.00 74	100	100 100 750
100 100 <td></td> <td>Wall site near door leading to controlled area.</td> <td>1 100 18.00 66</td> <td>15.00 60</td> <td>100 18.00 67</td> <td>100</td> <td>100 17.00 63</td> <td>100 17.00 57</td> <td>0 41 14.00 68</td> <td>100 19.00 65</td> <td>100 18.00 61</td> <td>100 17.00 66</td> <td>16.00 16.00 66</td> <td>13.00</td> <td>.1</td> <td>0 100 557</td> <td>100</td>		Wall site near door leading to controlled area.	1 100 18.00 66	15.00 60	100 18.00 67	100	100 17.00 63	100 17.00 57	0 41 14.00 68	100 19.00 65	100 18.00 61	100 17.00 66	16.00 16.00 66	13.00	.1	0 100 557	100
		Wall site near doorway - room entrance.	100 26.00 64	100 28.00 62	100 26.00 66	100	0 100 26.00 62	100 27.00 59	100 25.00 68	100 23.00 64	100 23.00 62	100 28.00 60	100 25.00 66	100 23.00 64	100 27.00 44	100	0 100 741

Facility: EMS Test Facility



Total		0 100 752	0 100 5,997	100	100	100	100	100	0 100 249	100
ř	<u></u>	100 556		61 38	0 100 37	2 100 37	1 40 36	0 100 38	0 100 070 186	100 36
	Total		4, 4,						1,	
	6	100 23.00 46	100 37.1	0 18.00 4	100 42.00 4	7 39 27.00 3	30 12.00 3	19 13.00 4	0 100 18	11 27 20.00 3
	8	100 22.00 65	100	43 26.00 4	100 51.00 4	11 75 34.00 4	7 25 13.00	11 22 17.00	100	8 59 29.00 4
	7	100 24.00 64	100 518	0 16.00 4	14 28 20.00 4	20 38 29.00 4	16 10.00 4	10 36 22.00 4	38	5 27 16.00
66	9	100 24.00 62	100	30 15.00 5	18 40 31.00 5	4 100 39.00 5	11 37 26.00 5	1 66 30.00 5	100	34 21.00 5
1999	5	0 21.00 61	100	17 37 29.00 4	32 19.00 4	11 36 23.00 4	13.00 4	7 34 20.00	37 37 20	5 21 10.00 4
	4	100 26.00 66	100	16.00 4	11.00 4	28 100 71.00	10 35 25.00 3	46 19.00 4	100	30 17.00 4
	က	24.00 69	. 100 547	23.00 5	12 33 23.00 5	36 18.00 5	7 19 14.00	14 100 38.00 5	100	0 18 10.00
	2	100 26.00 60	100	7 61 33.00 4	10 38 25.00 4	3 50 27.00 4	19.00 4 4	5 12 9.00 4	61 20	19 35 29.00 4
82	-	100 22.00 63	0 100 494	35 23.00 4	7 29 19.00 3	6 37 24.00 4	10.00	11 66 32.00 4	66 19	7 100 38.00
	Total	196	0 100 475 1,555	00 13	190	51 13	13 13	100	100 365 63	100
	12	100 23.00 68	0 100 540	0 14.00 5	100 38.00 5	37 9.00 5	15 63 32.00 5	36.00 5	100	31.00 31.00
1998	7	100 23.00 62	0 100 495	43.00 43.00	20.00 4	21.00	34.00 4.00	33 15.00 4	100 20	39.00 4
	10	100 21.00 66	100	33 17.00 4	37 23.00 3	13 51 29.00 4	25 16.00 4	20.00 39	51 18	7 13.00 4
	L., <u>-</u>	Wall site near sink in wash area.	Total	Floor site in center of room.	Floor site in corner of room.	Floor site in doorway - room entrance.	Wall site near doorway - room entrance.	Wall site on near wall above stored bottles.	Total	Floor site in center of room.
		Production Room 101 Gowning Area		Production Room 102 Bottle Storage						Production Room 103 Bottling

Environm ntal Monitoring System Facility: EMS Test Facility



			19	1998						1999	96					Total
		5	11	12	Total	-	2	က	4	5	9	7	8	6	Total	
Production Room 103 Bottling	Floor site in doorway - room entrance.	18 9.00 4	15 43 27.00 4	100 33.00 5	100	14 26 18.00	33 19.00 3	3 41 20.00 5	001 X 00.48	18 100 41.00	13 32 23.00 4	100 47.00 4	18 26 21.00 4	100 31.00	100	100
	Floor site near work surface.	20 15.00 4	38 20.00 4	49 20.00 5	- 64 E	21 9.00 4	13 24 18.00 4	7 61 22.00 5	35 17.00 4	5 58 25.00 4	6 17.00 5	12.00 12.00	13.00 3	10 32 23.00 4	61	61
	Floor site within laminar flow curtains near bottling equipm	21 16.00 4	12 33 21.00 3	18.00 18.00 5	33	31 15.00 4	20 13.00 4	2 27 16.00 5	10 25 19.00 4	49 18.00 4	8.00 5.5	13 9.00 4	17 7.00 7.00	0 24 7.00 4	0 49 38	0 49 50
	Rodac sample on bottling equipment within laminar fl	0 13 5.00	13.00	100 24.00 5	0 100 12	23 10.00 4	4 100 32.00	11 7.00 5	11 6.00	100 34.00 4	0 14 8.00 5	0 12 6.00	10 14 12.00 4	0 8 4.00 4	0 100 38	100
	Rodac sample on door handle.	100 40.00 3	51 17.00 4	12 100 53.00 5	100	18 35 26.00 4	32 12.00 4	2 23 12.00 5	34 20.00 4	5 23 14.00 4	100 34.00 5	33 16.00 4	64 31.00 4	6 34 18.00	0 100 38	100
	Wall site above countertop.	3 100 36.00 4	7 66 32.00	15 39 23.00 5	100 13	25 14.00 4	28 35 33.00 4	39 29.00 5	1.00	10 35 20.00 4	37 11.00 5	32 10.00 4	12 75 36.00 4	10 40 32.00	0 75 37	100
	Wall site near laminar flow curtains.	1 40 18.00	31 15.00 4	35 19.00 5	40 13	24.00	40 18.00 4	31 15.00 5	37 22.00 4	10 61 27.00 4	31 22.00 5	28 17.00	7 40 28.00 4	18 100 45.00	2 100 36	100
	Wall site on far wall near air retum grate.	26 40 35.00	11 34 25.00	9 100 53.00	9 100 12	4 31 13.00 4	15 68 35.00	26 100 45.00 5	0 28 10.00	1 100 39.00	11 100 43.00	29 14.00	7 35 21.00 4	1 28 13.00	0 100 37	100
	Total	000 %	100	100 4	0 100 668 113	100	100	100	0 100 35	100	100	001 %	1 75 35	0 100 35	0 100 1,648 333	0 100 446

Facility: EMS Test Facility



Total		100	100	100	100	100	100	100 49	100	0 75 51
	Total	100	0 58 36	. 100 37	100 38	100	100	3 100 36	0 100 1,258 298	2 75 38
	6	100 32.00	1 27 14.00 3	30 21.00 4	10 19 13.00 4	7 15 24.00 8	8 25 14.00	3 12 9.00 4	0 100 31	6 29 19.00
	8	12 26 19.00	12 19 16.00 3	3 9 7.00 4	0 40 18.00	4 18 23.00 8	10 21 15.00 4	28 22.00 4	0 40 31	20 35 27.00 4
	7	6 59 28.00 4	0 58 19.00	14 100 39.00	4 15 8.00 4	3 100 43.00 8	3 21 15.00 4	11 100 56.00 2	0 100 30	2 75 37.00
1999	9	26 14.00 5	0 18 9.00	13 38 29.00 5	1 16 10.00 5	13 12.00 10	23 9.00 5	9 28 19.00	38 40	6 31 15.00 5
19	5	24 11.00	5 24 15.00	4 34 17.00	39 20.00 4	100 40.00 7	2 15 9.00 4	19 100 41.00	0 100 31	5 31 18.00 4
	4	17 28 24.00 4	3 40 16.00	2 62 30.00 4	4 18 12.00 4	1 100 39.00 8	14 100 39.00	3 43 17.00 4	1 100 32	2 34 14.00
	3	1 26 13.00 5	8 28 19.00	11 25 17.00 5	0 100 26.00 5	0 15 15.00	12 18 14.00 5	4 100 32.00 5	0 0 0 4	7 31 20.00 5
	2	7 24 14.00	5 49 23.00 4	27 27 17.00	20 20 16.00	0 14 15.00 8	10 22 16.00 4	3 100 30.00 4	0 100 31	2 70 30.00
	1	29 17.00 4	12 28 20.00 4	37 19.00 4	0 24 10.00 4	3 27 15.00 8	1 26 11.00	12 27 17.00 4	37 32	12 38 27.00
	Total	29 13	100 13	o 4 £	0 17 12	0 15 26	2 45 12	0 29 13	0 100 102	39
1998	12	26 16.00 5	20.00 5	31 17.00 5	6.00 9.00 4	1 15 13.00 10	24 14.00 5	0 29 14.00 5	31	0 39 20.00 5
9	11	22 14.00 4	100 43.00 4	29 18.00 4	0 17 6.00	0 15 16,00	245 21.00 3	9 24 16.00	0 100 31	12 29 19.00 4
	10	29 16.00 4	15 100 38.00 4	1,00 17.00 4	3.00	13 17.00 8	10 15 12.00 4	25 13.00 4	0 0 2 32	19.00 4
		Floor site between workstations near countertop.	Floor site in doorway - room entrance.	Floor site in room comer - general cleanliness ass	Floor site within laminar flow curtains near capper.	Rodac site on capping equipment within laminar fl	Rodac site on production surface.	Wall site on window near laminar flow curtains.	Total	Floor site in center of room.
		Production Room 104 Capping								Production Room 205 Raw Material Storage

Facility: EMS Test Facility



Total		100	100	100	100 51	0 100 251	0 100 798	0 100 806	58 50	0 100 51
	Total	100	001 37	0 49 38	100 38	100 1,054 188	100	0 100 598	0 58 37	100
:	6	35 17.00 4	100 44.00	13.00	14 38 21.00	100	100 16.00 52	57 21.00 52	38 21.00 4	4 13.00 4
	8	25 21.00 4	11 40 25.00	33.00 49 4	12 100 37.00	100	100 17.00 70	100 27.00 70	19 32 26.00 4	10 100 38.00
	7	29 14.00 4	. 39 19.00 4	20 47 32.00	31 11.00 4	2 75 20	100 17.00 69	100 24.00 70	12 37 28.00 4	17 54 32.00
1999	9	16 36 25.00 5	.6 28 18.00	39 27.00 5	39 31.00 5	6 39 25	100 15.00 71	100 26.00 70	7 58 28.00	100 32.00 5
19	5	100 38.00 4	. 8 40 22.00 4	31 19.00 4	2 16 8.00 4	100	100 14.00 65	100 24.00 66	52. 24.00 4	10 35 23.00 4
	4	17 34 25.00	32 21.00 4	26 46 4 4	34.00 4	100	13.00 68	. 100 25.00 69	21.00 36	21 13.00 4
	3	26 42 32.00 5	0 64 22.00 5	39 21.00 5	20.00 5	0 64 25	100 15.00 70	100 26.00 71	0 34 13.00 5	0 24 10.00 5
:	2	2 36 23.00 3	0 15 6.00	32 22.00 4	11 39 23.00 4	0 70 19	18.00 63	25.00 63	16 34 25.00 4	100 35.00
	1	1 28 16.00	19 40 33.00	42 17.00 4	39 22.00 4	1 42 20	0 48 16.00 66	2 59 20.00 67	0 33 13.00 4	19 69 37.00
	Total	32 2	8 Q 7	£6 £	6 37 13	0 100 376 63	100	100	3 36 13	100
1998	12	32 23.00 5	24.00 4.00 4	31 100 47.00 5	21.00 5	100	48 17.00 72	100 25.00 72	9 36 25.00 5	26 14.00 5
19	7	25 14.00 3	39 18.00 4	13 82 43.00 4	33 37 36.00 4	2 82 19	16.00 66	100 24.00 66	8 21 15.00	4 40 25.00
	10	23 14.00 4	13 35 25.00 4	26 47 38.00 4	6 32 15.00 4	47 20	14.00 66	100 25.00 70	3 22 14.00 4	100 30.00
		Floor site near desk in comer of room.	Floor site near doorway - room entrance.	Wall site near doorway - room entrance.	Wall site near stored raw materials.	Total	Floor site near doorway - room entrance.	Floor site near lockers and bench.	Floor site near sinks 1 and 2.	Floor site near sinks 2 and 3.
		Production Room 205 Raw Material Storage					Production Room 206 Personnel Prep Area			

Facility: EMS Test Facility

Report Date: 10/21/99



Total		3 100 50	0 79 51	100	0 100 2,607	100	65 51	0 100 48	0 40 51	000
	Total	5 100 37	0 68 38	0 100 594	100 1,559 1,936	100 37	38 88	0 40 36	40	100 36
	6	13 41 21.00	11 42 22.00 4	1 100 32.00 50	0 100 170	23 12.00 4	20 10.00	17 33 24.00 3	32 14.00 4	1 26 14.00
	8	10 42 19.00	7 39 23.00 4	100 30.00 67	0 100 223	15 34 23.00 4	30 17.00	33 17.00 4	7 28 17.00	10.00 4
	7	10 42 31.00	29 46 4.00	100 29.00 68	100	18 28 22.00	16 35 25.00	4 33 13.00 4	9 25 18.00	30 15.00 4
1999	9	19 100 43.00 5	0 38 15.00	34.00 70	0 100 231	4 100 36.00 5	0 12.00 5	22 15.00	1 25 6.00	11 47 24.00 5
19	5	10 28 17.00	15 44 29.00 4	2 100 26.00 67	0 100 213	15 32 24.00 4	0 33 11.00 4	1 20 13.00	12 40 27.00 4	100 44.00 3
	4	22 73 41.00	31 68 48.00	33.00 69	100 221	25.00 4	13 58 30.00 4	8 35 26.00	9 25 19.00	24 10.00
	3	5 40 20.00 5	31 50 42.00 5	100 31.00 74	0 100 235	5 65 25.00 4	35 15.00 5	31 13.00 5	1 36 16.00	29 16.00 5
	2	10.00 4	24 42 32.00 4	100 25.00 64	100	11 57 30.00	30 15.00 4	8 40 26.00	23 25 24.00 4	0 20 8.00 3
	-	15 37 22.00 4	11 48 31.00	100 31.00 65	100 214	4 35 22.00 4	32 23.00 4	1 19 10.00	5 11.00 4	11 43 26.00
	Total	99 1	79 13	100	100 491 671	34	65 13	4 100 12	0 25 13	2 48 13
1998	12	12 99 40.00 5	3 37.00 5	100 29.00 73	100	5 30 22.00 5	20.00 5	11 100 40.00 5	0 14 8.00	44 48 21.00 5
19	=	24 10.00 4	6 46 28.00 4	27.00 66	0 100 214	33 17.00 4	12 14.00 4	20 34 33 3	0 25 14.00	22 14.00 4
•	10	15 44 29.00 4	38 20.00 4	0 99 29.00 68	0 100 220	18.00 4	14 65 33.00 4	4 43 25.00 4	11.00 4	19 31 26.00 4
		Wall site near doorway - room entrance.	Wall site near lockers.	Wall site near sink 3.	Total	Floor site in center of room.	Floor site near doorway - room entrance.	Floor site near work surface.	Floor site within laminar flow curtains near tablet miller.	Wall site near doorway - room entrance.
		Production Room 206 Personnel Prep Area	,			Production Room 207 Tablet Milling				

Environm ntal Monitoring System Facility: EMS Test Facility

10/21/99 Report Date:



	₁		Т		· · · · · · · · · · · · · · · · · · ·					
Total		0 100 249	100	50 00	64 64	0 100 50	100	100 51	100	0 100 351
	Total	0 100 853 185	100	100	2 65 36	100 37	1 100 37	100	1 78 37	0 100 1,524 260
	6	33 -	38 17.00 4	124 11.00 4	7 34 24.00 4	35 21.00 4	14 48 27.00 4	56 32.00	13 34 24.00 4	0 56 28
	8	8 gg	6 40 22.00 4	21.00 40	11 61 40.00	13 35 20.00 4	100 43.00 4	100 38.00	38 18.00	100
	7	35	23 11.00 4	33.00 4	2 19 9.00 3	6 31 19.00	37 22.00 4	8 34 18.00	3 78 26.00 4	2 78 27
1999	9	100	15 36 25.00 5	0 15.00 5	5 65 21.00	16 31 24.00 4	29 16.00 5	90 33.00 5	29 53 37.00 5	0 8 X
19	5	100	26 16.00 4	53 26.00	26 17.00 4	15 44 24.00 4	59 25.00	28. 30.00 4	21 11.00 4	1 59 26
	4	58	17 100 43.00	13 33 20.00 4	13 37 25.00 4		23.00 4	13 73 34.00 4	14 65 35.00	100 28
	3	0 65 24	44 17.00 5	11 33 20.00 5	50 26.00 5	1 100 31.00	12 32 25.00 5	33 13.00 5	15 43 26.00 5	100
	2	0 57 19	12 39 23.00 4	100 45.00	36 22.00 3	41 27.00 4	100 27.00 4	47 25.00	11 35 17.00	100
	-	43	10 35 25.00 4	3 31 16.00 4	15 38 22.00 4	24 28.00 4	13 80 39.00 4	25 15.00 4	16 30 25.00 4	78 82
	Total	0 100 310 64	100	63	1 80 13	100	37 13	100 tt	100	100 503 91
1998	12	100	25 9.00 5	29 14.00 5	36 21.00 5	6 19.00 5	33 24.00 5	32 13.00 5	0 42 19.00 5	o 4 %
19	11	o % 6	38 100 55.00	12.4 11.00 4	16 9.00 4	18 100 42.00	37 20.00 4	100 35.00	16 34 25.00 4	100
	10	0 65 20	7 29 18.00	11 63 30.00 4	26 80 52.00	8 34 19.00 4	31 10.00 4	7 41 23.00	100 38.00	100
		Total	Floor site in center of room.	Floor site near boxing equipment.	Floor site near doorway - room entrance.	Floor site near sink.	Rodac site on boxing equipment.	Wall site near boxing equipment.	Wall site near doorway - room entrance.	Total
		Production Room 207 Tablet Milling	Production Room 208 Packaging		•			,	•	•

Environmental Monitoring System Facility. EMS Test Facility

10/21/99 Report Date:



		1	<u> </u>							
Total		100	100 100 804	100 100 796	100	100	100 798	100	100	100
	Total	0 100 595	0 100 598	0 100 588	0 100 596	0 100 599	0 100 593	100 100	100 100 587	100
	6	100 10.00 52	100 12.00 51	100 12.00 51	0 100 18.00 52	39 15.00 51	100 11.00 52	100 14.00 51	1 100 24.00 51	100 20.00 51
	8	100 12.00 69	100 10.00 68	100 12.00 68	100 20.00 70	100 18.00 69	100 11.00 70	0 40 10.00 69	100 100 23.00 68	100 18.00 67
	2	0 26 7.00 68	100 1100 11.00 69	1 100 14.00 69	100 16.00 68	16.00 70	39 11.00 67	38 11.00 70	100 21.00 68	100 100 17.00 69
1999	9	100 1100 11.00 70	100 12.00 70	100 10.00 10.00 71	0 100 22.00 69	100 16.00 71	100 16.00 70	1 100 13.00 71	100 21.00 69	100 19.00 71
19	5	100 9.00 67	100 12.00 67	100 9.00 64	100 16.00 67	0 40 14.00 67	100 14.00 66	100 13.00 64	100 100 21.00 66	33 17.00 65
	4	100 12.00 68	0 10.00 68	100 12.00 68	100 17.00 70	100 17.00 67	0 100 13.00 69	100 17.00 67	100 100 22.00 69	1 100 23.00 70
	3	100 11.00 71	10.00 10.00 74	100 11.00 17	100 18.00 71	100 18.00 74	100 12.00 72	100 12.00 73	3 100 20.00 70	100 18.00 72
	2	100 13.00 63	10.00 49	100 11.00 61	100 20.00 63	100 18.00 63	0 30 12.00 63	100 18.00 63	100 15.00 63	1 100 23.00 63
	1	0 15 8.00 67	100 14.00 67	100 12.00 65	3 100 18.00 66	100 18.00 67	0 11.00 64	100 12.00 66	0 51 16.00 63	100 21.00 65
	Total	100	100	100	100	100	100	100	100	100
1998	12	100 13.00 73	100 15.00 73	11.00 73	100 17.00 74	100 16.00 73	100 15.00 70	100 14.00 7.1	100 22.00 74	100 17.00 17.00
19	11	100 10.00 67	10.00 10.00 65	100 15.00 66	100 17.00 64	100 15.00 66	13.00 66	12.00 66	100 21.00 65	100 25.00 67
	10	0.90 69	11.00 68	000 10.00 69	100 15.00 69	0 46 14.00 69	0 100 14.00 69	11.00 70	19.00 69	0 50 18.00 67
		Equipment site on the door of lyophilizer 1.	Equipment site on the door of lyophilizer 2.	Equipment site on the door of lyophilizer 3.	Floor site in center of room.	Floor site near work surface.	Floor site within laminar flow curtains between lyophili	Floor site within laminar flow curtains between lyophili	Wall site above work surface.	Wall site near doorway - room entrance.
		Production Room 209 Lyophilization								

Environmental Monitoring System Facility. EMS Test Facility

Report Date: 10/21/99



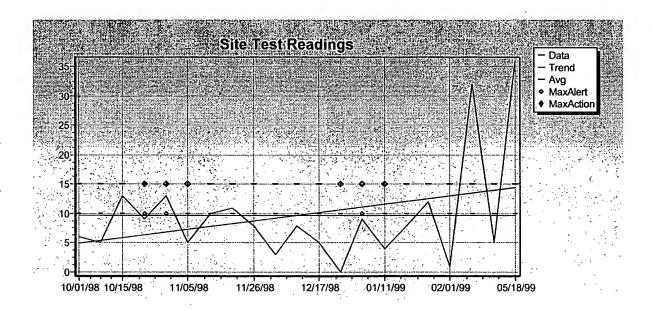
			1998	98						1999	66					Total
		10	1	12	Total	-	2	3	4	5	9	2	8	6.	Total	,
Production Room 209	Total	0 00	0 001	0 00	٠ 6	900	0 00	100	100	100	100	100	100	100	100	100
Lyophilization		619	285	652	1,863	290	566	648	616	593	632	618	618	462	5,343	7,206
Total									•							

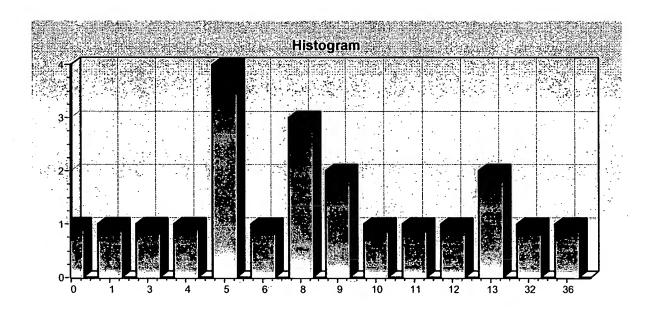
Environmental Monitoring System Report Date: 10/20/99

Test Site Charts From: Oct 01 1998 To: Oct 20 1999

Room: Production Room 209 Lyophilization

Test Site: Equipment site on the door of lyophilizer 1.



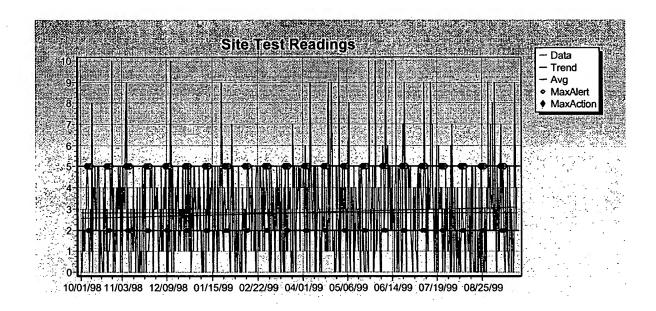


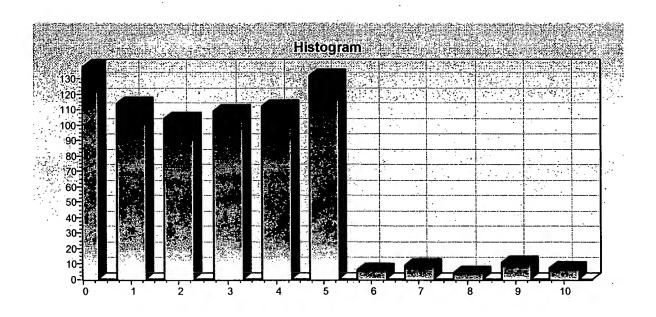
Environmental Monitoring System Report Date: 10/21/99

Test Site Charts From: Oct 01 1998 To: Oct 21 1999

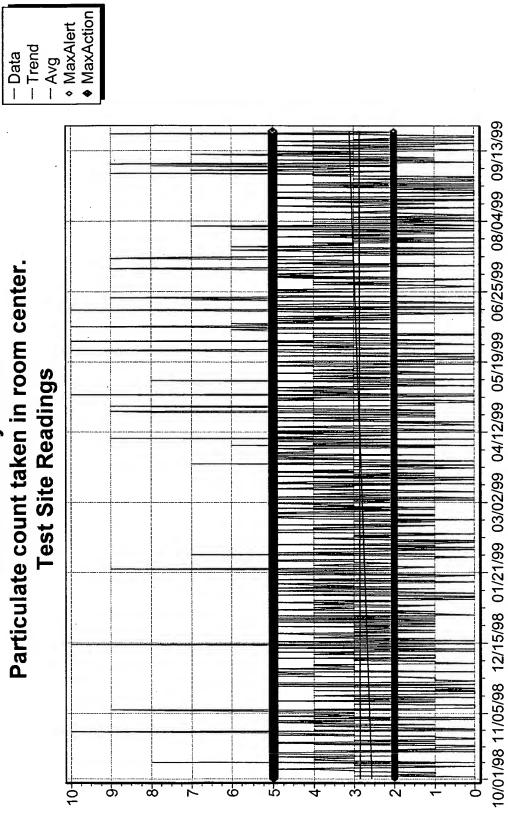
Room: Micro Sterility Suite

Test Site: Particulate count taken in room center.





Particulate count taken in room center. **Micro Sterility Suite Test Site Readings**



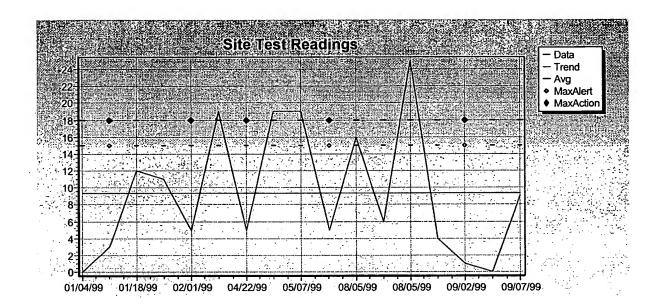
Environmental Monitoring System Report Date: 10/21/99

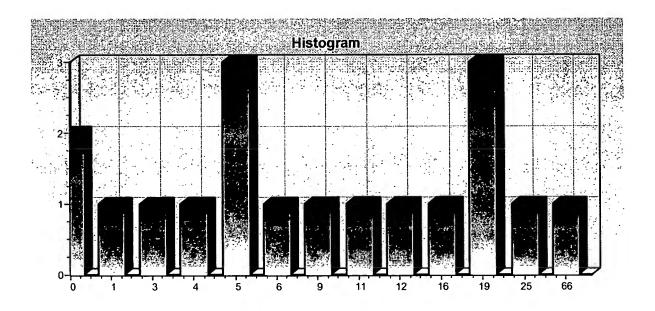
Test Site Charts

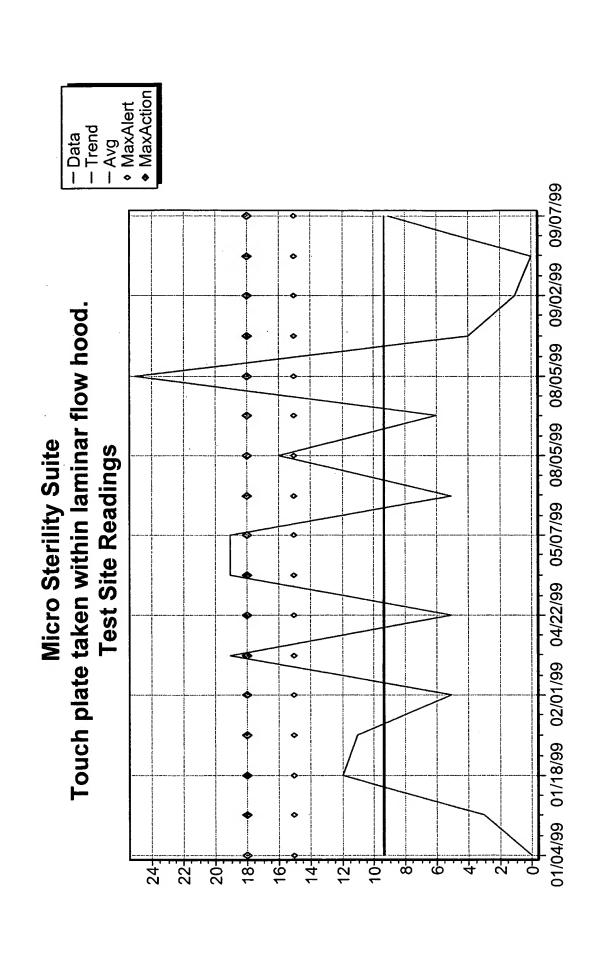
From: Oct 01 1998 To: Oct 21 1999

Room: Micro Sterility Suite

Test Site: Touch plate taken within laminar flow hood.







Report Date: 4/3/2000

Survey Contol No. Survey Date: Survey Shift:

3/6/00

Product: Lot #:

Facility: EMS Test Facility

Daily Tests Group:

sqd xdwx

MicroSterility

RefiNo

9

Room ID:

Room Description

Micro Sterility Suite

	Rodac	Rodac TSA Plate		Sample Date	Test Date	Result Date	Sample ID	Resuit	Entry Bý
Test ID Ref	Ţ	Test ID Test Site Description			Test By Equipment ID	Result.By	Room Activity	Exception	Enter Date
Ω	14	Site on work surface of laminar flow hood	- Po	3/6/00 7:23AM TNucci 1234R01	3/6/00 7:23AM TNucci None	3/13/00 9:10AM VGalliani	+S05146A Operational	_	iradigan 3/22/00 10:27PM
<u>τ</u>	38	Floor site in front of laminar flow hood.	,	3/6/00 7:05AM TNucci 1234R014	3/6/00 7:05AM TNucci None	3/13/00 8:00AM JRadigan	+S05143A Operational	18	iradigan 3/22/00 10:27PM
F2	39	Floor site in doorway - room entrance.		3/6/00 7:15AM TNucci 1234R01	3/6/00 7:15AM TNucci None	3/13/00 9:00AM TJoyce	+S05144A Operational	22.	iradigan 3/22/00 10:27PM
E	40	Floor site in room corner - general cleanliness assessment.	ıliness	3/6/00 7:22AM TNucci 1234R01	3/6/00 7:22AM TNucci None	3/13/00 9:05AM TJoyce	+S05145A Operational	∞	iradigan 3/22/00 10:27PM

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Print#: 0

Date:

Reviewed By: CSSC Pharmaceuticals

Report Date: 4/3/2000

Survey Contol No.

3/6/00

Survey Date: Survey Shift:

Product: Lot #:

MicroSterility

RefNo

Room ID:

Facility: EMS Test Facility
Group: Daily Tests

sqd xdwx

Room Description

Micro Sterility Suite

Nor	Non Viable Particulate	Sample Date	Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Test ID Test Site Description	Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
Σ	45 Particulate count taken in room center.	3/6/00 7:15AM JRadigan None	3/6/00 7:15AM JRadigan 123444	3/6/00 7:15AM JRadigan	+S05149A Operational	_	iradigan 3/22/00 11:15PM
Test ID Ref	Touch Plate Test ID Test Site Description	Sample:Date Sample:Bv Media:Lot	Test Date Test By Equipment ID	Result Date Result By	Sample:ID Room Activity	Result Exception Employee II	Enter Bate
GeorgeL	42 Touch plate taken within laminar flow hood.	3/6/00 9:25AM TNucci 1234R01	3/6/00 9:25AM TNucci	3/13/00 10:00AM JRadigan	+S05147A Operational	2 GeorgeL	jradigan 3/22/00 11:18PM
RLindsay	42 Touch plate taken within laminar flow hood.	3/6/00 9:26AM TNucci 1234R01	3/6/00 9:26AM TNucci	3/13/00 10:00AM RLindsav	+S05147B Operational	2 RLindsay	iradigan 3/22/00 11:18PM
Test ID Ref	STA Plate Test Site Description	Sample Date Sample By Media Lot	Test Date Test By Equipment ID	Result Date: Result By	Sample ID Room Activity	Result	Entry By Enter Date
-	44 STA airborne contamination sample taken in room center.	3/6/00 10:25AM TestQATech 1234R01	3/6/00 10:25AM TestQATech None	3/11/00 11:00AM VGalliani	+S05148A Operational	m	iradigan 3/22/00 11:18PM

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Date:

Reviewed By: CSSC Pharmaceuticals

Print #:

Report Date: 4/3/2000

Survey Contol No. Survey Date: Survey Shift:

3/6/00

MicroSterility

RefiNo

9

Room ID:

Product: Lot #:

sqd xdwx

Facility: EMS Test Facility **Daily Tests** Group:

Room Description

Micro Sterility Suite

Test ID Ref	Water pH Test ID	H Test Site Description	Sample Date Sample By Média Lot	Test Date Test By Equipment ID	Result Date Result By	Sample ID Room Activity	Result Exception	Entry Bý Enter Date
WFI-000-1	1432 Point	1432 Point Of Use site at WFI Drop	3/6/00 1:30PM TNucci None	3/6/00 1:30PM TNucci None	3/6/00 2:50PM TJoyce	+S05150A Operational	6.3	iradigan 3/22/00 11:18PM

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Reviewed By: CSSC Pharmaceuticals

Print #: 0

Date:

Report Date: 4/3/2000

Survey Contol No.

3/6/00

Survey Date: Survey Shift:

Room ID:

RefiNo MicroGowning

sqd xwbx Product: Lot #:

Facility: EMS Test Facility

Daily Tests Group:

Micro Gowning Area Room Description

Result By Room Activity Exception		RCS /	RCS Air Sample	eldi		Sample Date	Test Date	Result Date	Sample ID	Result	Entry By
34 RCS airbome contamination sample taken in center 1Nucci 11:00AM 16:00AM 17:00AM 17	Test ID Ref	Ţ	st ID	Test Site Description	E	Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
35 RCS airbome contamination sample taken in center 3/6/00 11:00AM 3/6/00 11:00AM 3/1/00 150PM +S05140A 2 Thucci	₽	34	RCS of war	airborne contamination s< sh area.	ample taken in center	3/6/00 10:00AM TNucci None	3/6/00 10:00AM TNucci None	3/11/00 10:00AM JRadigan	+S05139A Operational	7	iradigan 3/22/00 11:18PM
Test ID Test Site Description Sample By Test By Result Date Room Activity Exception Test ID Test Site Description Sample By Test By Result By Room Activity Exception 36 Particulate count taken in center of wash area. 3/6/00 8:00AM 3/6/00 8:00AM 3/6/00 8:05AM 3/6/00 8:05AM 3/6/00 8:05AM 3/6/00 8:05AM 3/6/00 8:05AM 1Nucci Thucci	8	35	RCS of clean	airborne contamination s: an area.	ample taken in center	3/6/00 11:00AM TNucci 1234	3/6/00 11:00AM TNucci Q232	3/11/00 1:50PM JRadigan	+S05140A Operational	2	iradigan 3/22/00 11:18PM
36 Particulate count taken in center of wash area. 3/6/00 8:00AM 3/6/00 8:00AM 4-S05141A 4 Alert TNucci TNucci TNucci TNucci Operational Alert None 37 Particulate count taken in center of clean area. 3/6/00 8:05AM 3/6/00 8:05AM 7/6/00 8:05A	No Test ID Ref	n Viat	ble Part	iculate Test Site Descriptio	L.	Sample Date Sample By Media Lot	Test Date Test By Equipment ID	Result Date Result By	Sample ID Room Activity	Result Exception	Entry By Enter Date
37 Particulate count taken in center of clean area. 3/6/00 8:05AM 3/6/00 8:05AM +S05142A 1 TNucci TNucci Operational None	Σ	36	Partic	ulate count taken in cen	ter of wash area.	3/6/00 8:00AM TNucci	3/6/00 8:00AM TNucci None	3/6/00 8:00AM TNucci	+S05141A Operational	4 Alert	jradigan 3/22/00 10:01PM
	22	37	Partic	ulate count taken in cent	ter of clean area.	3/6/00 8:05AM TNucci	3/6/00 8:05AM TNucci None	3/6/00 8:05AM TNucci	+S05142A Operational	_	iradigan 3/22/00 10:01PM

Reviewed By: Print #:

CSSC Pharmaceuticals

Date:

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Report Date: 4/3/2000

Survey Contol No.

Survey Date: Survey Shift:

Room ID: 7

3/6/00

Product: Lot #:

sqd xdwx

Facility: EMS Test Facility

Daily Tests

Group:

RefiNo MicroGowning

Room Description

Micro Gowning Area

	Surface Swab	Swab	i	Sample Date	Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Test ID	Test Site Description	ion	Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
۵	32 Sv	Swab sample within sink 1.		3/6/00 8:55AM TNucci 11111111	3/6/00 8:55AM TNucci	3/13/00 1:15PM RWatson	+S05137A Operational	6	iradigan 3/22/00 11:18PM
	- tt4hrthrt	- tt4hrthrth - 2222222222 - Reason #3	1#3						
82	33 8	Swab sample within sink 2.	-	3/6/00 8:56AM TNucci 11111111	3/6/00 8:56AM TNucci	3/13/00 2:30PM RLindsav	+S05138A Operational	7	iradigan 3/22/00 11:18PM

Page: 5 of 7 C:\EMS214\reports\SurveyResults.rpt

Reviewed By: CSSC Pharmaceuticals Print #: 0

Date:

Report Date: 4/3/2000

Survey Contol No. Survey Date: Survey Shift:

Product: Lot #:

RefiNo Water System

Room ID: 74

sqd xdwx

Facility: EMS Test Facility

Daily Tests Group:

Room Description Water System

Wate	Water Endotoxin EU/ml		Sample Date	Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Test ID Test Site Description	nc	Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
D1LAL1	1433 Water Endotoxin at Drop 1 in Production Room A	Production Room A	3/6/00 8:23AM TNucci	3/6/00 11:05AM GeorgeL 1234	3/6/00 1:35PM TJoyce	+S05151A Operational	5.200	iradigan 3/22/00 11:18PM
D3LAL3	1435 Water Endotoxin test at Drop 3 in Production Prep Room	3 in Production Prep	3/6/00 8:24AM TNucci	3/6/00 9:25AM GeorgeL 1234	3/6/00 1:35PM TJoyce	+S05152A Operational	0.530	iradigan 3/22/00 11:18PM
Test ID Ref	Water pH Test ID Test Site Description	uc	Sample Date Sample By Media Lot	Test Date Test By Equipment ID	Result Date Result By	Sample ID Room Activity	Result Exception	Entry By Enter Date
D1PH1	1436 Water pH at Drop 1 in Production Room A Yes	ion Room A	3/6/00 10:05AM TNucci 12345R .	3/6/00 10:05AM TNucci M-002	3/6/00 4:30PM TJoyce	+S05153A Operational	8.00	iradigan 3/22/00 11:18PM
рзрнз	1438 Water pH at Drop 3 in Production Prep Room	ion Prep Room	3/6/00 10:07AM TNucci 12345R	3/6/00 10:07AM TNucci M-002	3/6/00 4:25PM TJoyce	+S05154A Operational	9.	jradigan 3/22/00 11:18PM

Reviewed By: Print #:

Date:

CSSC Pharmaceuticals

Page: 6 of 7 C:\EMS214\reports\SurveyResults.rpt

Report Date: 4/3/2000

Survey Contol No.

3/6/00

Survey Date: Survey Shift:

Product: Lot #:

sqd xdwx

Facility: EMS Test Facility **Daily Tests** Group:

Water System

RefiNo

74

Room ID:

Room Description Water System

Α	Water Conductivity	tivity		Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Test ID	Test Site Description	Sample By Media/Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
WFI=003-02	1443 Water	1443 Water Conductivity	3/6/00 10:45AM TNucci	3/6/00 10:45AM TNucci M-002	3/6/00 10:45AM TNucci	+S05155A Operational	>4.5	iradigan 3/22/00 11:18PM
	NQ Reason		:					

Page: 7 of 7 C:\EMS214\reports\SurveyResults.rpt

Print #: 0

Date:

Reviewed By: CSSC Pharmaceuticals

Report Date:

10/20/99



Facility: EMS Test Facility

T st ID	3	Floor	between wo	rkstations a	pprox 2 feet	in front of	work table	e.				
Test ID Us	ser Ref	02		Test Type R	odac TSA Pl	ate		Site Type	Flo	or		
Room ID	5	Micro	Lab2 A174									
Survey#	Test Date	Shift	Test By	SampleID	Room Activity	Read Date	Read By	Reading	3	TNTC	NoTes	Rslt Statu
1003	6/16/99	1	JRadigan	S-00490	Normal	1/25/99	TJoyce		0	N	N	oĸ
1005	7/12/99	1	JRadigan	S-00790	Normal	2/6/99	TJoyce		0	N	N	OK
1030	1/25/99	3	JRadigan	S-01890	Normal	2/6/99	TJoyce		2	N	N	ok
T st ID	4	Floor	Between ho	od #1 and h	ood #2. Sam	ple approx	x 2 feet in t	front.				
Test ID Us	ser Ref	04		Test Type	odac TSA P	late		Site Type	Flo	or		
Room ID	. 5	Micro	Lab2 A174									
Survey#	Test Date	Shift	Test By	SampleID	Room Activity	Read Date	Read By	Reading	9	TNTC	NoTes	t Rslt Statu
1010	6/16/99	1	JRadigan	S-00210	Normal	2/6/99	TJoyce		1	N	Ν	ок
1029	7/12/99	3	JRadigan	S-01967	Normal	2/6/99	TJoyce		0	N	Ν	OK
Test ID Test ID Us Room ID		03	in center of		Rodac TSA P	late		Site Type	Flo	or		
Survey#	Test Date		Test By	SamplelD	Room Activity	Read Date	Read By	Reading	9	TNTC	NoTes	t Rslt Statu
1002	7/12/99	1	JRadigan	S-00340	Normal	1/18/99	TJoyce		5	N	N	ок
	6/16/99	1	JRadigan	S-00940	Normal	2/6/99	TJoyce		7	N	N	OK
T st ID	6	Floor	in doorway	/ room entra		•						
Test ID U		01		Test Type F	Rodac TSA P	late		Site Type	Flo	or		
Room ID	5	Micro	Lab2 A174									
Survey#	Test Date	Shift	Test By	SampleID	Room Activity	Read Date	Read By	Readin	g	TNTC	NoTes	t Rslt State
1002	1/25/99	1	JRadigan	S-00339	Normal	1/25/99	TJoyce		13	N	N	ок
	7/12/99	1 ·	JRadigan	S-00489	Normal	7/12/99	TJoyce		13	N	N	ОК
1003	1712/00											
	3/22/99	1	JRadigan	S-00789	Normal	3/22/99	TJoyce		3 6	N N	N N	OK

Report Date:

10/20/99



Facility: EMS Test Facility

Test ID	8	Site o	n work surfa	ace of lamina	ar hood 1.							
Test ID Us	er Ref	05		Test Type R	odac TSA PI	ate		Site Type	Crit	ical Su	urface	
Room ID	5	Micro	Lab2 A174									
Survey#	Test Date	Shift	Test By	SampleID	Room Activity	Read Date	Read By	Reading	,	TNTC	NoTest	Rslt Status
1001	6/16/99	1	JRadigan	S-00015	Normal	1/11/99	TJoyce		6	Ν	Υ	OK
1038	7/12/99	1	JRadigan	S-00941	Normal	1/25/99	TJoyce		5	N	N	ОК
T st ID	10	Perso	nnel touch	plate.								
Test ID Us	er Ref	T1		Test Type T	ouch Plate			Site Type	Glo	ve		
Room ID	5	Micro	Lab2 A174				•					
Survey#	Test Date	Shift	Test By	SampleID	Room Activity	Read Date	Read By	Reading	3	TNTC	NoTest	Rslt Status
1001	1/4/99	1	JRadigan	S-00020	Normal	1/11/99	TJoyce		6	N	N	ОК
1010	2/19/99	1	JRadigan	S-00215	Normal					N	N	
1002	1/11/99	1	JRadigan	S-00345	Normal	1/18/99	TJoyce		16	Ν	N	> Action
1003	1/18/99	1	JRadigan ·	S-00495	Normal	1/25/99	TJoyce		1	N	Υ	ОК
1004	1/25/99	1	JRadigan	S-00645	Normal	2/1/99	TJoyce	-	7	N	Ν	OK
1005	2/1/99	1	JRadigan	S-00795	Normal	2/8/99	TJoyce		2	N	N	ОК
1038	4/6/99	1	JRadigan	S-00945	Normal					N	N	
1029	2/19/99	3	JRadigan	S-01962	Normal					N	N	
1030	2/19/99	3	JRadigan	S-01977	Normal					N	N	
T st ID	11	Airho	rne contami	ination STA	plate in cente	er of room						
T st ID Us		S1		Test Type S			•	Site Type	Co	unter		
Room ID		-	Lab2 A174		TAT I III				•			
Survey#	Test Date		Test By	SamplelD	Room Activity	Read Date	Read By	Readin	g	TNTC	NoTest	Rslt Status
1001	1/4/99	1	JRadigan	S-00021	Normal	1/9/99	TJoyce		28	N	N	> Action
1010	2/19/99	1	JRadigan	S-00021	Normal	1,0,00	100,00			N	N	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1010	1/11/99	1	JRadigan	S-00216 S-00346	Normal	1/16/99	TJoyce		25	N	N	> Action
1002	1/11/99	1	JRadigan	S-00340 S-00496	Normal	1/23/99	TJoyce		29	N	N	> Action
1003	1/25/99	1	JRadigan	S-00430 S-00646	Normal	1/30/99	TJoyce		12	N	N	OK OK
1004	2/1/99	1	JRadigan	S-00040	Normal	2/6/99	TJoyce		10	N	N	OK OK
1003	4/6/99	1	JRadigan	S-00796 S-00946	Normal	210133	rooyce		, 0	N	N	
1030	2/19/99	3	JRadigan	S-00940 S-01892	Normal					N	N	
		3	JRadigan	S-01969	Normal					N	N	
1029	2/19/99	3	uraulyan	3-01909	Mollial					1.4	1.4	

2007 8/5/99

1 JRadigan

+S04130

Normal

Report Date:

10/20/99



Facility: EMS Test Facility

T st ID	12	Partic	ulate count	taken betwe	en laminar fl	ow hoods.						
Test ID Us	ser Ref	P1		Test Type N	lon Viable Pa	articulate		Site Type	Cou	ınter		
Room ID	5	Micro	Lab2 A174									
Survey#	Test Date	Shift	Test By	SampleID	Room Activity	Read Date	Read By	Reading		TNTC	NoTes	t Rsit Status
1001	1/4/99	1	JRadigan	S-00022	Normal	1/4/99	TJoyce		1	N	N	OK
1010	2/19/99	1	JRadigan	S-00217	Normal					N	N	
1002	1/11/99	1	JRadigan	S-00347	Normal	1/11/99	TJoyce		0	N	N	OK
1003	1/18/99	1	JRadigan	S-00497	Normal	1/18/99	TJoyce		5	Ν	N	> Action
1004	1/25/99	1	JRadigan	S-00647	Normal	1/25/99	TJoyce		5	Ν	N	> Actio
1005	2/1/99	1	JRadigan	S-00797	Normal	2/1/99	TJoyce		6	N	N	> Action
1038	4/6/99	1	JRadigan	S-00947	Normal					N	N	
1030	2/19/99	3	JRadigan	S-01893	Normal					Ν	N	
1029	2/19/99	3	JRadigan	S-01970	Normal					N	Ν.	
2007	8/5/99	1	JRadigan	+S04131	Normal		JRadigan		9	N	N	> Action

Test ID	13	Floor	site in doo	rway - room e	entrance.						
Test ID Us	ser Ref	F1		Test Type R	odac TSA P	late	•	Site Type Flo	or		
Room ID	4	Micro	Lab 1			-					
Survey#	Test Date	Shift	Test By	SampleID	Room Activity	Read Date	Read By	Reading	TNTC	NoTes	t Rsit Status
1001	1/4/99	1	JRadigan	S-00001	Normal	1/11/99	TJoyce	23	N	Ν	ОК
1002	1/11/99	1	JRadigan	S-00151	Normal	1/18/99	TJoyce	5	N	N	OK
1010	2/19/99	1	JRadigan	S-00197	Normal				N	N	
1003	1/18/99	1	JRadigan	S-00476	Normal	1/25/99	TJoyce	21	N	N	OK
1004	1/25/99	1	JRadigan	S-00626	Normal	2/1/99	TJoyce	2	N	N	OK
1005	2/1/99	1	JRadigan	S-00776	Normal	2/8/99	TJoyce	9	Ν	N	OK
1011	2/19/99	1	JRadigan	S-01786	Normal				N	N	
1029	2/19/99	3	Callahan	S-01889	Normal				N	N	
1038	4/6/99	1	JRadigan	S-01927	Normal				N	Ν	
1030	2/19/99	3	JRadigan	S-01973	Normal				N	Ν	
1061	5/18/99	1	rlindsay	+\$03042	Normal	5/25/99	JRadigan	35	N	N	> Action

Environm ntal Monitoring

System

Report Date: 10/20/1999

Survey Test Log

Facility: EMS Test Facility

Status	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
Init By	13 VGalliani	13 VGalliani	13 VGalliani	13 VGalliani	-	-	13 VGalliani	-	13 VGalliani	-	-	13 VGalliani	-	-	13 VGalliani	13 VGalliani	-	13 VGalliani	-	-	-			13 VGalliani	-	-	-	-	-		-	-	13 VGalliani					
an Total ings Tests	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incomplete Open Test Site Readings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lot Number	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None	None
ift Product	None	None	None	None	None	None	None	None	None	1 None	1 None	1 None	None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None	1 None
Group Description Shif	Production Room Daily	Room	Room	Room	Room	Room					Production Room Daily				Production Room Daily	Room	Room		Room	Production Room Daily	Production Room Daily		Production Room Daily	Production Room Daily	Production Room Daily				Production Room Daily	Production Room Daily		Production Room Daily			Room		Room	Production Room Daily
Survey # Group ID	526 4	527 4		529 4	530 4	531 4	532 4	533 4	534 4	535 4	536 4	537 4	538 4	539 4	540 4	541 4	542 4	543 4	544 4	545 4	546 4	547 4	548 4	549 4	550 4	501 4	502 4	503 . 4	504 4	505 4	506 4	507 4	508 4	509 4	510 4	511 4	512 4	513 4
Test Date	6/25/1998	7/2/1998	7/9/1998	7/16/1998	7/23/1998	7/30/1998	8/6/1998	8/13/1998	8/20/1998	8/27/1998	9/3/1998	9/10/1998	9/17/1998	9/24/1998	10/1/1998	10/8/1998	10/15/1998	10/22/1998	10/29/1998	11/5/1998	11/12/1998	11/19/1998	11/26/1998	12/3/1998	12/10/1998	1/1/1998	1/8/1998	1/15/1998	1/22/1998	1/29/1998	2/5/1998	2/12/1998	2/19/1998	2/26/1998	3/5/1998	3/12/1998	3/19/1998	3/26/1998

Environmental Monitoring

Syst m

10/20/1999 Report Date:

EMS Test Facility Facility:

Survey Test Log

4/87/1998 5/5 4 P Toduction Room Daily None None 0 13 VGaillant 4/8/1998 5/5 4 4 Production Room Daily 1 None None 0 13 VGaillant 4/8/1998 5/5 4 4 Production Room Daily 1 None None 0 13 VGaillant 4/20/1998 5/6 4 4 Production Room Daily 1 None None 0 13 VGaillant 4/20/1998 5/1 4 4 Production Room Daily 1 None None 0 13 VGaillant 5/14/1998 5/2 4 4 Production Room Daily 1 None None 0 13 VGaillant 5/24/1998 5/2 4 4 Production Room Daily 1 None None 0 13 VGaillant 6/14/1998 5/2 4 4 Production Room Daily None None 0 13 VGaillant 6/14/1998 5/2 4 4 Production Room Daily None None 0 13 VGaillant 12/17/1999 1007 2 Weeley Tasts None None 0 13 VGaillant	Test Date	Survey #	Group ID	D Group Description	Shift	Product	Lot Number	Incomplete Test Site	Open Readings	Total Tests	Init By	Status
516 4 Production Room Daily 1 None None 0 13 VGaliliari 516 4 Production Room Daily 1 None None 0 13 VGaliliari 517 4 Production Room Daily 1 None None 0 13 VGaliliari 519 4 Production Room Daily 1 None 0 13 VGaliliari 521 4 Production Room Daily 1 None None 0 13 VGaliliari 522 4 Production Room Daily 1 None None 0 13 VGaliliari 523 4 Production Room Daily 1 None None 0 13 VGaliliari 523 4 Production Room Daily 1 None None 13 VGaliliari 523 4 Production Room Daily 1 None None 13 VGaliliari 524 4	4/2/1998	514		Production Room Daily	-	None	None	0	0	13	VGalliani	Closed
516 4 Production Room Daily None None None 13 VGalillari 518 4 Production Room Daily 1 None None 13 VGalillari 518 4 Production Room Daily 1 None 0 13 VGalillari 519 4 Production Room Daily 1 None 0 0 13 VGalillari 520 4 Production Room Daily 1 None None 0 0 13 VGalillari 522 4 Production Room Daily 1 None None 0 0 13 VGalillari 523 4 Production Room Daily 1 None None 0 0 13 VGalillari 523 4 Production Room Daily 1 None None 0 0 13 VGalillari 8 551 4 Production Room Daily 1 None None 0 0 13 VGalillari 1002 2 Weekly Tests <td< td=""><td>4/9/1998</td><td></td><td>4</td><td>Room</td><td>-</td><td>None</td><td>None</td><td>0</td><td>0</td><td>. 3</td><td>VGalliani</td><td>Closed</td></td<>	4/9/1998		4	Room	-	None	None	0	0	. 3	VGalliani	Closed
517 4 Production Room Daily 1 None None 0 13 VGalilari 518 4 Production Room Daily 1 None None 0 13 VGalilari 518 4 Production Room Daily 1 None None 0 0 13 VGalilari 520 4 Production Room Daily 1 None None 0 0 13 VGalilari 522 4 Production Room Daily 1 None None 0 0 13 VGalilari 524 4 Production Room Daily 1 None None 0 0 13 VGalilari 524 4 Production Room Daily 1 None None 0 0 13 VGalilari 525 4 Production Room Daily 1 None None 0 0 13 VGalilari 1001 2 Weekly Tests 1 None None 0 0 13 VGalilari 1002 2 Weekly Tests 1 None None 0 0 13 VGa	4/16/1998				_	None	None		0	13	VGalliani	Closed
518 4 Production Room Daily 1 None None 0 13 VGaillant 520 4 Production Room Daily 1 None None 0 13 VGaillant 520 4 Production Room Daily 1 None None 0 0 13 VGaillant 521 4 Production Room Daily 1 None None 0 0 13 VGaillant 522 4 Production Room Daily 1 None None 0 0 13 VGaillant 523 4 Production Room Daily 1 None None 0 0 13 VGaillant 525 4 Production Room Daily 1 None None 0 0 13 VGaillant 1001 2 Weekly Tests 1 None None 0 0 13 VGaillant 1002 2 Weekly Tests 1 None None 0 0 0 13 VGaillant 1003 2 Weekly Tests 1 None None 0 0 0 13 VGaillant	4/23/1998	517		Room	-	None	None	0	0	13	VGalliani	Closed
519 4 Production Room Daily I None None 0 0 13 VGaillani 521 4 Production Room Daily I None None 0 0 13 VGaillani 521 4 Production Room Daily I None None 0 0 13 VGaillani 522 4 Production Room Daily I None None 0 0 13 VGaillani 523 4 Production Room Daily I None None 0 0 13 VGaillani 8 551 4 Production Room Daily I None None 0 0 13 VGaillani 1001 2 Weekly Tests I None None 0 0 13 VGaillani 1003 2 Weekly Tests I None None 0 0 13 VGaillani 1004 2 Weekly Tests I None None 0 0 0 13 VGaillani 1003 2 Weekly Tests I None None </td <td>4/30/1998</td> <td>518</td> <td></td> <td>Room</td> <td>τ-</td> <td>None</td> <td>None</td> <td>0</td> <td>0</td> <td>13</td> <td>VGalliani</td> <td>Closed</td>	4/30/1998	518		Room	τ-	None	None	0	0	13	VGalliani	Closed
5:00 4 Production Room Daily 1 None None 0 None 13 VGalillani 5:21 4 Production Room Daily 1 None None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5/7/1998	519		Room	_	None	None	0	0	13	VGalliani	Closed
\$2.1 4 Production Room Daily 1 None None 0 0 13 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 13 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 13 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 13 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 13 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 13 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 150 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 150 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 150 VGalillani \$2.2 4 Production Room Daily 1 None None 0 0 150 VGalillani \$2.2 4 Production Room Daily <td>5/14/1998</td> <td>520</td> <td>·</td> <td>Room</td> <td>τ-</td> <td>None</td> <td>None</td> <td>0</td> <td>0</td> <td>13</td> <td>VGalliani</td> <td>Closed</td>	5/14/1998	520	·	Room	τ-	None	None	0	0	13	VGalliani	Closed
522 4 Production Room Daily 1 None None 0 13 VGaillani 523 4 Production Room Daily 1 None None 0 0 13 VGaillani 524 4 Production Room Daily 1 None None 0 0 13 VGaillani 525 4 Production Room Daily 1 None None 0 0 13 VGaillani 1001 2 Weekly Tests 1 None None 0 0 13 VGaillani 1002 2 Weekly Tests 1 None None 0 0 15 VGaillani 1003 2 Weekly Tests 1 None None 0 0 150 VGaillani 1004 2 Weekly Tests 1 None None 0 0 150 VGaillani 1005 2 Weekly Tests 1 None None 0 0 150 VGaillani 1006 4 Production Room Daily 1 None None 0 0 150 VGaillani 1007 4 Weekly Tests 1 Non	5/21/1998	521		Room	-	None	None	0	0	13	VGalliani	Closed
523 4 Production Room Daily 1 None None 0 0 13 VGaillani 524 4 Production Room Daily 1 None None 0 0 13 VGaillani 525 4 Production Room Daily 1 None None 0 0 13 VGaillani 8 55 4 Production Room Daily 1 None None 0 0 13 VGaillani 1001 2 Weekly Tests 1 None None 0 0 150 VGaillani 1002 2 Weekly Tests 1 None None 0 0 150 VGaillani 1003 2 Weekly Tests 1 None None 0 0 150 VGaillani 1004 2 Weekly Tests 1 None None 0 0 150 VGaillani 1004 2 Weekly Tests 1 None None 0 0 150 VGaillani 1005 2 Weekly Tests 1 None None 0 0 150 VGaillani 1006 4 Production Room Daily 1 None None 0 <td>5/28/1998</td> <td>522</td> <td>Ī</td> <td>Room</td> <td>_</td> <td>None</td> <td>None</td> <td>0</td> <td>0</td> <td>13</td> <td>VGalliani</td> <td>Closed</td>	5/28/1998	522	Ī	Room	_	None	None	0	0	13	VGalliani	Closed
524 4 Production Room Daily 1 None None 0 0 13 VGaillani 85 54 4 Production Room Daily 1 None None 0 0 13 VGaillani 1001 2 Weekly Tests 1 None None 0 0 150 VGaillani 1002 2 Weekly Tests 1 None None 0 0 150 VGaillani 1003 2 Weekly Tests 1 None None 0 0 150 VGaillani 1004 2 Weekly Tests 1 None None 0 0 150 VGaillani 1004 2 Weekly Tests 1 None None 0 0 150 VGaillani 1004 2 Weekly Tests 1 None None 0 0 150 VGaillani 1004 2 Weekly Tests 1 None None 0 0 150 VGaillani	6/4/1998	523	Ī		•	None	None	0	0	13	VGalliani	Closed
525 4 Production Room Daily 1 None None 0 13 VGalliani 8 551 4 Production Room Daily 1 None 0 0 13 VGalliani 1001 2 Weekly Tests 1 None 0 0 150 VGalliani 1002 2 Weekly Tests 1 None None 0 0 150 VGalliani 1004 2 Weekly Tests 1 None None 0 0 150 VGalliani 1004 2 Weekly Tests 1 None None 0 0 150 VGalliani 1004 2 Weekly Tests 1 None None 0 0 150 VGalliani 1004 2 Weekly Tests 1 None None 0 0 150 VGalliani 1005 4 Production Room Daily 1 None 0 0 150 VGalliani 10109 4 Production Room Daily	6/11/1998	524			-	None	None	0	0	13	VGalliani	Closed
8 551 4 Production Room Daily 1 None None 1 VGalliani 1001 2 Weekly Tests 1 None 0 0 150 VGalliani 1002 2 Weekly Tests 1 None 0 0 150 VGalliani 1003 2 Weekly Tests 1 None 0 0 150 VGalliani 1004 2 Weekly Tests 1 None None 0 0 150 VGalliani 1004 2 Weekly Tests 1 None None 0 0 150 VGalliani 1004 2 Weekly Tests 1 None None 0 0 150 VGalliani 1007 4 Production Room Daily 1 None 0 0 150 VGalliani 1007 4 Production Room Daily 1 None 0 0 150 VGalliani 1007 4 Production Room Daily 1 None	6/18/1998	525			-	None	None	0	0	13	VGalliani	Closed
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Environmental Monitoring

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Report Date: 10/20/1999

Facility: F

Facility: EMS Test Facility

Survey Test Log

	Test Date	Survey#	Group ID	3 Group Description	Shift	Product	Lot Number	Incomplete Test Site	Open Readings	Total Tests	Init By	Status
1029 3 Daily Tests 1 None None None None 1 Daily Tests 1030 0 Released By Test or Room 1 None None None 0 0 7 J Radigan 1032 0 Released By Test or Room 1 None None 0 0 7 J Radigan 1032 1 Released By Test or Room 1 None None 0 0 7 J Radigan 1034 3 Daily Tests 1 None None 0 0 7 J Radigan 1034 3 Lisert Group Name Here 1 None None 0 0 7 J Radigan 1039 1 Insert Group Name Here 1 None None 0 0 7 J Radigan 1041 3 Insert Group Name Here 1 None None 0 0 7 J Radigan 1043 3 Insert Group Name Here 1 None None None None None None None J Radigan 1044 3 Insert Group Name Here 1 None None None None J Radigan 1045 3 Insert Group Name Here 1 None None<	2/19/1999	1027	3	Daily Tests	٢	None	None	0			7 JRadigan	Open
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1048 3 Daily Tests 1 None None 7 7 7 Jadigan 1049 3 Daily Tests 1 None None 7 7 7 JRadigan 1050 3 Daily Tests 1 None None 7 7 7 JRadigan 1053 3 Daily Tests 1 None None 7 7 7 7 7 7 A. JRadigan 1054 3 Daily Tests 1 None None 7 1 3 <t< td=""><td></td><td>1047</td><td>က</td><td></td><td>-</td><td>None</td><td>None</td><td>7</td><td></td><td></td><td>7 JRadigan</td><td>In Proc</td></t<>		1047	က		-	None	None	7			7 JRadigan	In Proc
1049 3 Daily Tests 1 None None 0 5 7 JRadigan 1050 3 Daily Tests 1 None None 7 7 7 JRadigan 1051 3 Daily Tests 1 None None 7 7 7 JRadigan 1054 3 Daily Tests 1 None None 7 7 7 JRadigan 1055 3 Daily Tests 1 None None 7 7 7 JRadigan 1054 4 Production Room Daily 1 rrrr 1 7 7 JRadigan 1504 4 Production Room Daily 1 rrrr 1 7 7 JRadigan 1505 3 Daily Tests 1 titt titt 1 1 1 3 1 3 1 3 1 3 1 3 1 3 1 </td <td></td> <td>1048</td> <td>က</td> <td>Daily Tests</td> <td>-</td> <td>None</td> <td>None</td> <td>7</td> <td></td> <td>. ~</td> <td>7 JRadigan</td> <td>In Proc</td>		1048	က	Daily Tests	-	None	None	7		. ~	7 JRadigan	In Proc
1050 3 Daily Tests 1 None None None 7 7 7 JRadigan 1051 3 Daily Tests 1 None None 7 7 7 JRadigan 1052 3 Daily Tests 1 None None 7 7 7 JRadigan 1054 3 Daily Tests 1 None None 7 7 7 JRadigan 1055 3 Daily Tests 1 None None 7 7 7 JRadigan 1504 4 Production Room Daily 1 rrr 13 13 13 jradigan 1505 3 Daily Tests 1 ttt 1 ttt 11 13 13 jradigan 1507 3 Daily Tests 1 unuy tttuituitu 13 13 jradigan 2000 3 Daily Tests 1 unuy 666666 666666 666666 12 12 13 jradigan 2004 3 Daily Tests 1 cvcvcv cvcvcv 12 14 13 jradigan 2004 3 Daily Tests 1 uioulo 0 uioluo 12		1049	က	Daily Tests	-	None	None	0	- -/	. ~	7 JRadigan	Closed
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1052 3 Daily Tests 1 None None 7 7 7 JRadigan 1053 3 Daily Tests 1 None None 7 7 7 JRadigan 1054 3 Daily Tests 1 None None 7 7 7 JRadigan 1504 4 Production Room Daily 1 rrrr rrrr 13 13 13 jradigan 1505 3 Daily Tests 1 None None 13 13 jradigan 1507 3 Daily Tests 1 ttt 11 13 13 jradigan 1509 3 Daily Tests 1 duny tituituitu 13 13 jradigan 2000 3 Daily Tests 1 uuuy tituituitu 13 13 13 jradigan 2001 3 Daily Tests 1 uuuy tituituitu 13 13 13 jradigan 2004 3 Daily Tests 1 cvcvcv cvcvcv 12 14 13 jradigan 2005 3 Daily Tests 1 uiouio ouioiuo 13 15 13 jradigan		1051	ო	Daily Tests	_	None	None	7			7 JRadigan	Open
1053 3 Daily Tests 1 None None 7 7 7 7 JRadigan 1054 3 Daily Tests 1 None None 7 7 7 7 JRadigan 1504 4 Production Room Daily 1 rrr rrrr 7 7 7 JRadigan 1504 4 Production Room Daily 1 rrr rrrr 13 13 izadigan 1505 3 Daily Tests 1 None None 13 13 izadigan 1507 3 Daily Tests 1 tttt 113 13 izadigan 1509 3 Daily Tests 1 uuuy tituituitu 13 13 izadigan 2000 3 Daily Tests 1 cvcvcv cvcvcv 12 13 izadigan 2004 3 Daily Tests 1 uioulo 1 uioulo 13 15 14 13 izadigan 2005 3 Daily Tests 1 uioulo 13 15 14 13 izadigan 2005 3 Daily Tests 1 uioulo 13 15 13 izadigan		1052	ო	Daily Tests	_	None	None	7			7 JRadigan	Open
1054 3 Daily Tests 1 None None 7 7 7 JRadigan 1055 3 Daily Tests 1 rrrr rrrr rrrr 7 7 7 JRadigan 1504 4 Production Room Daily 1 rrrr rrrr rrrr 13 13 13 radigan 1505 3 Daily Tests 1 ttt ttt ttt ttt 13 13 radigan 1507 3 Daily Tests 1 dbnmnm nmbnmbnm radigan 13 radigan 2000 3 Daily Tests 1 uuuy tituituitu radigan 2001 3 Daily Tests 1 cvcvcv rcvcvcv rcvcvcv 12 radigan 2004 3 Daily Tests 1 uioulo ouloiuo uiouloiuo radigan 2005 3 Daily Tests 1 uiouloiuo uiouloiuo radigan		1053	က	Daily Tests	-	None	None	7			7 JRadigan	Open
1055 3 Daily Tests 1 None None 7 7 7 JRadigan 1504 4 Production Room Daily 1 rrrr rrrrr 13 13 13 13 13 jradigan 1505 3 Daily Tests 1 tttt 1 tttt 13 13 13 jradigan 1509 3 Daily Tests 1 dbnmnm nmbnmbnm 13 13 13 jradigan 2000 3 Daily Tests 1 uouny tituituitu 13 13 13 jradigan 2001 3 Daily Tests 1 cvcvcv cvcvcv 12 12 13 jradigan 2004 3 Daily Tests 1 uioulo ouioiuo 13 15 13 jradigan		1054	ო	Daily Tests	_	None	None	7		. ~	7 JRadigan	In Proc
1504 4 Production Room Daily 1 rrrr rrrrr 13 13 13 13 jradigan 1505 3 Daily Tests 1 tttt 113 13 13 jradigan 1507 3 Daily Tests 1 tttt 113 13 13 jradigan 1509 3 Daily Tests 1 uuuy tituituitu 13 13 13 jradigan 2000 3 Daily Tests 1 uuuy tituituitu 13 13 jradigan 2001 3 Daily Tests 1 cvcvcv cvcvcv 12 12 13 jradigan 2004 3 Daily Tests 1 uioulo ouioiuo 13 15 13 jradigan		1055	က		-	None	None	7		. ~	-	Open
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3 Daily Tests 13 15 13 jradigan	8/5/1999	2004	က		-	cvcvcv	CVCVCV	77	_	_	_	In Proc
		2005	က		_	uionio	onioino	16	_	_		In Proc

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Environmental Monitoring

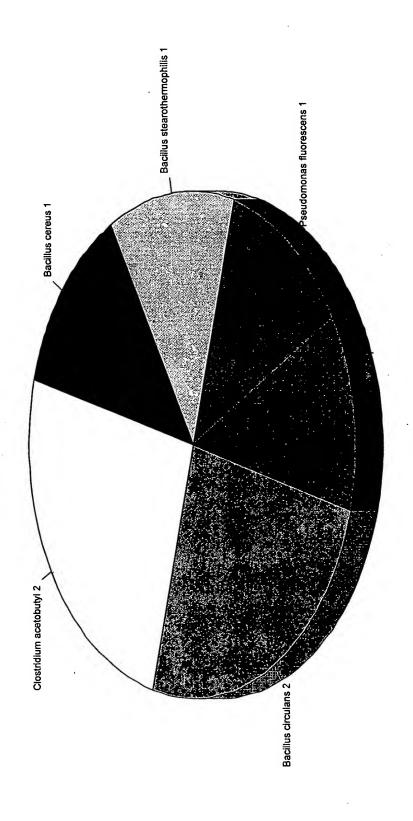
Sy tem

Report Date: 10/20/1999

Facility: EMS Test Facility

Survey Test Log

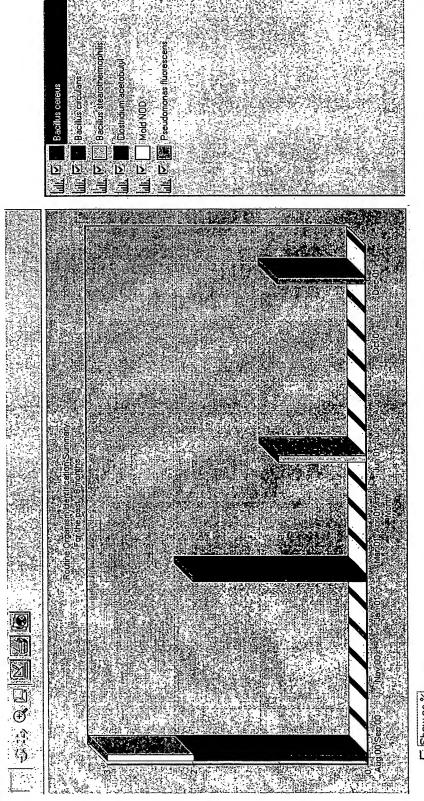
Test Date	Survey #	Group ID	Survey # Group ID Group Description	Shift	Product	Lot Number	Incomplete Test Site	Open Readings	Total Init By Tests		Status
8/5/1999	2006	3	Daily Tests	-	efsef	sfsdfsd	9	∞	13 jradigan		n Proc
	2007	0	Manually Created Survey	_		rthrthr	က	က	3 jradiga		roc
8/10/1999	2008	က	Daily Tests	-		None	13	13	13 jradiga		e.
	2009	က	Daily Tests	_	None	None	13	13	13 jradiga		Lia Lia
8/25/1999	2010	ო	Daily Tests	-		None	4	4	13 jradiga		oc.
	2011	က	Daily Tests	7		None	15	15	15 jradiga		orc Jroc
9/2/1999	2012	က	Daily Tests	_	£	jutuytuy	ဖ	တ	14 jradigan		In Proc
9/7/1999	2013	က	Daily Tests	_		tiutuitui	7	13	14 jradiga		roc
10/14/1999	2014	က	Daily Tests	Ψ-		1234-66JK7	4	14	14 jradiga		ည်င
10/19/1999	2015	က	Daily Tests	-	1313131	11111-44	13	13	14 jradigar	_	oc



Report Date:	1/16/2002				
SampleDate	Organism Type	Genus/Species Name	TestID Sample ID	Test ID Description	<u>Objectionable</u>
00-January					
1/20/00	Bacteria	Bacillus circulans	1443 +S04606A	Water Conductivity	z
00-August					
8/5/00	Bacteria	Bacillus circulans	35 +S05316A	RCS airborne contamination sample taken in center of	z
8/5/00	Bacteria	Clostridium acetobutyl	35 +S05316A	ocean eroe. CS attoone contamination sample taken in center of	z
8/5/00	Mold	Mold NOD	35 +S05316A	Gran area. RCS airborne contamination sample taken in center of clean area.	z
01-February					
2/20/01	Bacteria	Clostridium acetobutyl	17 +S07802A	Floor site in center of room.	z
2/20/01	Other	Bacillus cereus	18 +S07803A	Site on work surface of laminar flow hood.	z
01-June					
6/5/01	Bacteria	Bacillus stearothermophilis	18 +S08529A	Site on work surface of laminar flow hood.	z
01-December					
12/5/01	Bacteria	Pseudomonas fluorescens	16 SB000002A	Floor site in front of sinks.	z



Microorganism Summary



C Show as %

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R port Period - From:

01/01/2001

Report Date	: 1/16/2002	Facility:	EMS Test F	acility			
Sample ID:	+S08483A	Selec	ted Reading:	None		 	
Sample ID:	+S08524A	Selec	ted Reading:	Reading 2			
R ading 1:	10	Reading 1 Date:	11/1/2001	9:00:00AM	Reading 1 By:	TJoyce	
R ading 2:	5	Reading 2 Date:	11/1/2001	9:00:00AM	Reading 2 By:	TJoyce	
				Average	of the Two Readings:	8	
Sample ID:	+S08525A	Selec	ted Reading:	Average			
R ading 1:	14	Reading 1 Date:	12/1/2001	6:00:00AM	Reading 1 By:	VGalliani	
R ading 2:	15	Reading 2 Date:	12/1/2001	6:00:00AM	Reading 2 By:	VGalliani	
				Average	e of the Two Readings:	14	· ·
Sample ID:	+S08526A	Selec	ted Reading:	Average			
R ading 1:	12	Reading 1 Date:	12/2/2001	7:00:00AM	Reading 1 By:	VGalliani	·
R ading 2:	17	Reading 2 Date:	12/2/2001	7:00:00AM	Reading 2 By:	VGalliani	
				Average	e of the Two Readings:	14	
Sample ID:	+S08527A	Selec	ted Reading:	None			
Sample ID:	SB000002A	Selec	ted Reading:	None			
Sample ID:	SB000004A	Selec	ted Reading:	Reading 2			
R ading 1:	10	Reading 1 Date:	12/5/2001	1:00:00PM	Reading 1 By:	TJoyce	
Reading 2:	5	Reading 2 Date:	12/5/2001	1:00:00PM	Reading 2 By:	TJoyce	
				Average	e of the Two Readings:	8	

Facility: EMS Test Facility

Report Date: 1/16/2002

Report Period - From: 01/01/2001

01/16/2002

io E

+S08533A

Sample ID:

3.00 Number of Package Units:

4.0 Number of Samples / Unit:

ge Unit 2	12 6	4	9	3 12
kage Unit 1 Packa	12	2	12	9
Pac	Sample 1	Sample 2	Sample 3	Sample 4

Average // Mean:



Report Date:

Sample ID	Review By	Review Date
Surv y Number: 1001		
· +S05313A	JRadigan	4/21/1999 6:29:59AM
+S05314A	JRadigan	4/25/1999 8:29:59PM
+S05315A	JRadigan	4/23/1999 5:29:59PM
+S05316A	JRadigan	4/22/1999 1:29:59AM
+\$05317A	JRadigan	4/20/1999 6:29:59AM
+S05318A	JRadigan	4/15/1999 8:29:59AM
+S05319A	JRadigan	4/28/1999 7:29:59AM
+S05320A	JRadigan	4/27/1999 8:29:59AM
+\$05321A	JRadigan	4/25/1999 10:29:59AM
+S05322A	JRadigan	4/27/1999 8:29:59AM
+S05323A	JRadigan	4/24/1999 12:29:59AM
+\$05323B	JRadigan	4/26/1999 2:29:59PM
+\$05324A	JRadigan	4/24/1999 6:29:59PM
+S05325A	JRadigan	4/15/1999 2:29:59AM
+S05326A	JRadigan	4/20/1999 10:29:59AM
+S05327A	JRadigan	4/19/1999 10:29:59AM
+S05328A	JRadigan	4/18/1999 3:29:59AM
+S05329A	. JRadigan	4/19/1999 6:29:59PM
+S05330A	JRadigan	4/18/1999 10:29:59PM
+S05331A	JRadigan	4/19/1999 7:29:59AM
+S05332A	JRadigan	4/23/1999 1:29:59PM
+S05333A	JRadigan	4/24/1999 7:29:59AM
+\$05334A	JRadigan	4/24/1999 4:29:59PM
+S05335A	JRadigan	4/23/1999 7:29:59AM
+S05336A	JRadigan	4/24/1999 1:29:59PM
+S05337A	glevinson	1/9/2002 1:59:12PM
+S05338A	JRadigan	4/27/1999 6:29:59PM
+S05339A	JRadigan	4/28/1999 1:29:59AM
+S05340A	JRadigan	4/25/1999 9:29:59PM
+S05341A	JRadigan	4/20/1999 4:29:59PM
+\$05342A	JRadigan	4/23/1999 5:29:59PM
+S05343A	JRadigan	4/15/1999 2:29:59AM
+S05344A	JRadigan	4/27/1999 10:29:59PM
+\$05345A	JRadigan	4/27/1999 7:29:59AM
+S05346A	JRadigan	4/24/1999 2:29:59AM
+\$05347A	JRadigan	4/24/1999 4:29:59AM
+\$05348A	JRadigan	4/26/1999 11:29:59AM
+\$05349A	JRadigan	4/24/1999 9:29:59PM
+S05350A	JRadigan	4/22/1999 9:29:59PM
+S05351A	JRadigan	4/26/1999 3:29:59PM
+S05351B	JRadigan	4/27/1999 12:29:59PM
+S05352A	JRadigan	4/24/1999 6:29:59PM
+S05353A	JRadigan	4/19/1999 1:29:59AM



Report Date:

Sample ID	Review By	Review Date
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+S05354A	JRadigan	4/30/1999 6:29:59PM
+S05355A	JRadigan	4/29/1999 1:29:59AM
+S05356A	JRadigan	5/2/1999 1:29:59PM
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+S05360A	JRadigan	4/30/1999 5:29:59AM
+S05361A	JRadigan	4/28/1999 3:29:59AM
+S05362A	JRadigan	4/29/1999 10:29:59AM
+S05363A	JRadigan	5/3/1999 1:29:59AM
+\$05364A	JRadigan	4/28/1999 4:29:59AM
+S05364B	JRadigan	4/29/1999 5:29:59PM
+S05365A	JRadigan	5/1/1999 3:29:59AM
+S05366A	JRadigan	4/23/1999 4:29:59AM
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+S05381A	JRadigan	5/2/1999 5:29:59AM
+S05382A	JRadigan	4/26/1999 9:29:59PM
+S05383A	JRadigan	4/28/1999 10:29:59AM
+\$05384A	JRadigan	4/26/1999 5:29:59AM
+\$05385A	JRadigan	5/2/1999 8:29:59PM
+S05386A	JRadigan	4/28/1999 10:29:59AM
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+S05388A	JRadigan	4/29/1999 6:29:59AM
+S05389A	JRadigan	5/2/1999 7:29:59PM
+\$05390A	JRadigan	5/4/1999 8:29:59PM
+S05391A	JRadigan	5/1/1999 10:29:59AM
+S05392A	JRadigan	5/4/1999 2:29:59AM
+S05392B	JRadigan	4/28/1999 3:29:59PM
+S05393A	JRadigan	4/27/1999 2:29:59PM
+S05394A	JRadigan	4/27/1999 10:29:59PM



Report Date:

Sample ID	Review By	Review Date
Survey Number: 100	3	
+S05395A	JRadigan	5/12/1999 5:30:00AM
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+S05397A	JRadigan	5/8/1999 5:30:00PM
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+S05433A	JRadigan	5/11/1999 7:30:00PM
+\$05433B	JRadigan	5/5/1999 1:30:00PM
+S05434A	JRadigan	5/9/1999 3:30:00PM
+S05435A	JRadigan	5/1/1999 10:30:00AM

Sample Operational Documents

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C		A	Norks	DOOT	
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	~			100	

Rep	ort	Date	•

4/3/2000

Survey Contol No.

2076

Facility: EMS Test Facility

Survey Date:

4/3/2000

Group

Daily Tests

Survey Shift:

1

Room ID:

6

RefNo

MicroSterility

Room Description

Micr Sterility Suite

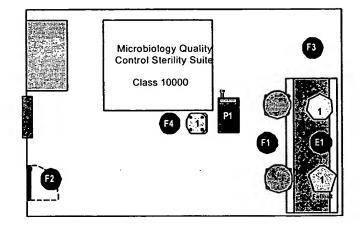
0001

CSSC Pharmaceuticals

Print#

Review By:

Activity Level	Static	
	Operational	



1 of 2

C:\EMS214\reports\SurveyWorksheet3.rpt

Non Viable Particulate			Sample Date /	On Test Date / Equipment ID/ Time Reading	
est ID:	Test Ref	Site Type Test Description	Sample By	On Test Bv	
45	P1	Counter		Eaulp	
Parti	culate count	aken in room center.		Read	
			+S05265A		
		Rodac TSA Plate	Sample Date /	On Test Date!/ Equipment ID/ Time Media Lot	
est ID:	Test Ref	Site Type Test Description	Sample By	On Test By	
38	F1	Floor		Eauip	
Floor	site in front of	laminar flow hood.		Media	
			+S05259A		
39	F2	Floor		Equip	
Flo r	site in doorwa	y - room entrance.		Media	
			+S05260A		
40	F3	Floor	•	Eauip	
		orner - general cleanliness		Media	
asses	sment.		+S05261A		
41	E1	Critical Surface		Eaulp	
Sit o	n work surfac	e of laminar flow hood.		Media	
			+S05262A		
	est ID: 38 Floor: 40 Floor: asses	est ID: Test Ref 45 P1 Particulate count to est ID: Test Ref 38 F1 Floor site in front of 39 F2 Flo r site in doorwa 40 F3 Floor site in room c assessment.	est ID: Test Ref Test Description 45 P1 Counter Particulate count taken in room center. Rodac TSA Plate est ID: Test Ref Site Type Test Description 38 F1 Floor Floor site in front of laminar flow hood. 39 F2 Floor Flo r site in doorway - room entrance. 40 F3 Floor Floor site in room corner - general cleanliness assessment.	Site Type est ID: Test Ref	

Date:

Point Of Use site at WFI Drop

400	* * * * * * * * * * * * * * * * * * *	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	15.
Survey	IMMOR	kehoo	
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Syst r	n					
Report Da	te: 4/3/20	000				
Survey Co	ntol No.	2076	Facility:	EMS Test Facility		
Survey Da	te:	4/3/2000	Group	Daily Tests		
Survey Sh	ift:	1		— e e e e e e e e		
		STA Plate		Sample Date /	On Test Date /	Equipment ID/ Media Lot
Test ID:	Test Ref	Site Type		Sample By	On Test Bv	Media Lot
44	1	Counter				Eauip
STA air	rborne conta	mination sample taken	in room center.	·		- Media
				+S05264A		- Would
		Touch Plate		Sample Date /토니.	On Test Date /	Emp. ID/
Test ID:	Test Ref	Site Type		Time Sample Bŷ	Time On Test Bv	Media Lot
42	TP1	Glove				- Emp ID
Touch	h plate taken	within laminar flow ho	od.	· · · · · · · · · · · · · · · · · · ·		Media
				+S05263A		Wedia
42	TP1	Glove				– Emp ID
Touci	h plate taken	within laminar flow ho	od.			Media
				+S05263B		ivieula
The second secon		Water pH	18 (18 18 18 18 18 18 18 18 18 18 18 18 18 1	Sample Date /	On Test Date /	Equipment ID/ Reading
Test ID:	Test Ref	Site Type Test Description	And the second second	Sample By	On Test Bv	
1432	WFI-000-1	Water				Equip

+S05266A

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Review By: Date:
CSSC Pharmaceuticals

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		7-12-12-1	CONTRACTOR OF THE PARTY OF THE

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4/3/2000

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U	11 A C A	COLI	U	INU.

2076

Facility: EMS Test Facility

Survey Date:

4/3/2000

Group

Daily Tests

Survey Shift:

1

Room ID:

7

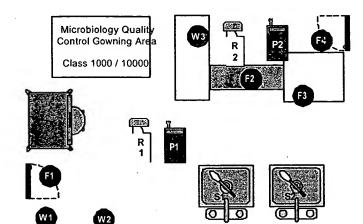
RefNo

MicroGowning

Room Description

Micro Gowning Area

Activity Level Static
Operational



	Non Viable Particulate			On Test Date / Time	Equipment ID/ Reading
Test ID:	Test Ref	Site Type Test Description	Sample By	On Test By	
36	P1	Counter			_ Equip
Partic	ulate count t	aken in center of wash area.			- Read
•			+S05257A		
37	P2	Counter			Equip
Partic	ulate count t	taken in center of clean area.			– Read
,			+S05258A		
		RCS Air Sample	Sample Date /	On Test Date /	Equipment ID/
Test ID:	Test Ref	Site Type Test Description	Time Sample By	On Test By	Media Lot:
34	R1	Counter			Eauip
		mination sample taken in center of		·	_ Media
wash a	rea.		+S05255A		
35	R2	Counter			Eauip
		mination sample taken in center of	****		Media
cl an a	rea.		+S05256A	•	

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Survey	Morveno		
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Report Date:

4/3/2000

Survey Contol No.

2076

Facility: EMS Test Facility

Survey Date:

4/3/2000

Daily Tests Group

Survey Shift

Survey Si	nitt:	<u> </u>	2 No.			
Surface Swab						
Test ID:	Test Ref	Site Type Test Description	Time Time Media Lot Sample (By On Test Bv.			
32	S1	Work Surface	Equip			
Swab sample within sink 1.	Media	Media				
	•		+S05253A			
33	S2	Work Surface	Equip			
Swab sample within sink 2.		n sink 2.	Media	Media		
	•		+S05254A			
	Test ID: 32 Swab	32 S1 Swab sample within	Surface Swab Test ID: Test Ref. Site Type Test Description 32 S1 Work Surface Swab sample within sink 1. 33 S2 Work Surface	Surface Swab Sample Date / On Test Date / Equipment ID/ Time Time Media Lot Time On Test By: Test Description 32 S1 Work Surface Equip Swab sample within sink 1. +\$05253A 33 S2 Work Surface Equip Swab sample within sink 2.		

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Report	Date:

4/3/2000

Survey Contol No.

2076

Facility: EMS Test Facility

Survey Date: Survey Shift: 4/3/2000

Group

Daily Tests

Room ID:

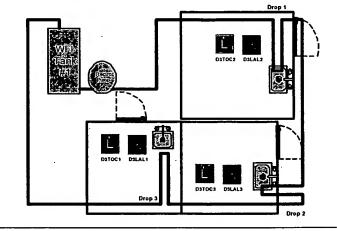
74

RefNo

Water System

Room Description Wat r System

Activity Level	Static
	Operational



	Wa	iter Conductivity	· · · · · · · · · · · · · · · · · · ·	et Date / Equipment ID/
Test ID:	Test Ref	Site Type Test Description	Time Sample By On Tes	하게 나는 그 사이를 하면 하는 그 생활동 하는 이 모든 하는 것이 없었다.
1443	WFI=003-02	Water		Eauip
Wa	ter Conductivity			Read
			+S05271A	
	Wate	er Endotoxin EU/ml		t Date / Equipment ID/
Test ID:	Test Ref	Site Type	Sample By On Tes	Reading It By
1433	D1LAL1	Water		Equip
Wa	ter Endotoxin at	Drop 1 in Production Room A		Read Read
			+S05267A	
1435	D3LAL3	Water		Equip
Wa	ter Endotoxin te	st at Drop 3 in Production Prep Room		Read R
			+S05268A	

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Review By:

Date:

1 of 2

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Report Date:

4/3/2000

Survey Contol No.

2076

Facility: EMS Test Facility

Survey Date:

4/3/2000

Daily Tests Group

Survey Shift:

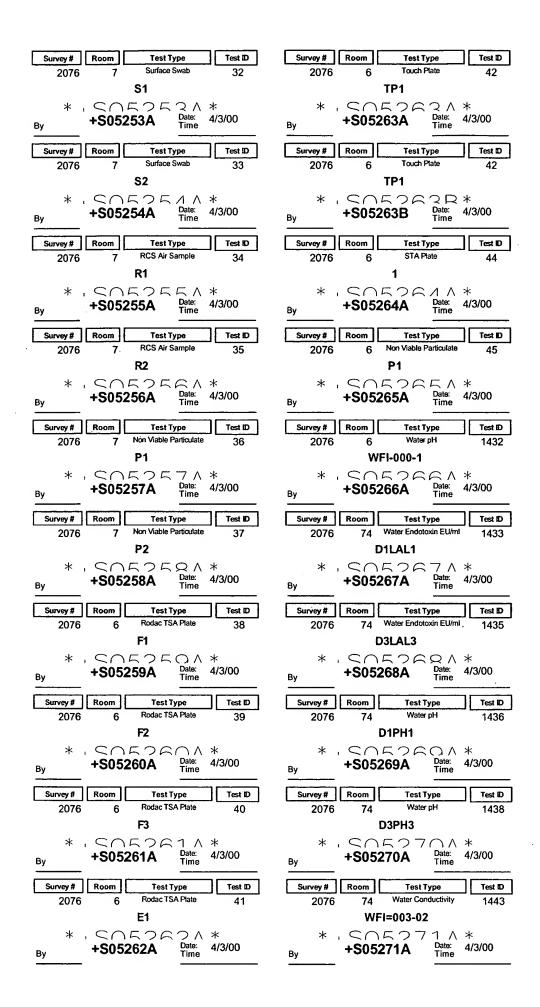
		Water pH	Sample Date / On Tes	The state of the s
Test ID:	Test Ref	Site Type Test Description	Time Time Sample By On Tes	Reading t Bv
1436	D1PH1	Water		Equip
Wat	er pH at Drop 1	in Production Room A		Read
			+S05269A	
1438	D3PH3	Water		Equip
Wat	er pH at Drop 3	in Production Prep Room	·	Read Read
			+S05270A	

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Review By:

Date:

CSSC Pharmaceuticals





System		
Report Date:	4/3/2000	

RCS A	ir Sampl]		
Control	Test ID Scheduled Read Date Ref#	Test Description : Room Description Test Type	Sample ID Alert Limit Action Limit	Read Date Time: Read By:	Result: Ref Doc:
2073	Group [Daily Tests			•
2073	34	RCS airborne contamination sample taken in center of wash area.	+S05198A	· [
	3/21/00 8:54AM R1	Micro Gowning Area	40 50		
		RCS Air Sample			
2073	35	RCS airborne contamination sample taken in center of clean area.	+S05199A		
	3/21/00 10:30AM R2	Micro Gowning Area	30 40		<u> </u>
		PCS Air Sample			

Print #.:	0001	*		
Reviewed Bv:			Date:	



System			
Report Date:	4/3/2000		

RCS A	ir Sample)		
Control	Test ID Scheduled Read Date Ref#	Test Description : Room Description Test Type	Sample ID Alert Limit Action Limit	Read Date Time: Read By:	Result: Ref Doc:
2075	Group C	Paily Tests]	
2075		RCS airborne contamination sample taken in center of wash area.	+S05236A		
	4/3/00 9:30AM	Micro Gowning Area	40 50		
		RCS Air Sample			
2075	35	RCS airborne contamination sample taken in center of clean area.	+S05237A		
	4/3/00 9:45AM R2	Micro Gowning Area	30 40		
		RCS Air Sample			_

Print #.: 0001

Reviewed By: ______ Date: _____

Rodac TSA Plate



	TSA Plate				
Control	Test ID Scheduled Read Da Ref#	Test Description te: Room Description Test Type	Sample ID Alert Limit Action Limit	Read Date Time: Read By:	Result: Ref Doc:
2073	Group	Daily Tests			
2073	41	Site on work surface of laminar flow hood.	+S05205A		
	3/23/00 7:00AI		15 18		

Print #.:	0001			
Reviewed By:			Date:	

Report Date: 4/3/2000

Survey Contol No.

Survey Contol No. 3/6/00 Survey Date: 3/6/00

Product: Lot #:

MicroSterility

RefNo

9

Room ID:

Facility: Current Facility
Group: Daily Tests

oduct: sqd #: xdwx

Room Description
Micro Sterility Suite

	Rodac	Rodac TSA Plate	Sample Date	Test Date	Media Lot	Sample ID		Entry By
Test ID Ref	Test ID	t ID Test Site Description	Sample By	Test By	Equipment ID	Room Activity	Exception	Enter Date
. <u>D</u>	41	Site on work surface of laminar flow hood.	3/6/00 7:23AM TNucci	3/6/00 7:23AM TNucci	1234R01 None	+S05146A Operational		iradigan 3/22/00 10:27PM
Ε	38	Floor site in front of laminar flow hood.	3/6/00 7:05AM TNucci	3/6/00 7:05AM TNucci	1234R014 None	+S05143A Operational		iradigan 3/22/00 10:27PM
F2	36	Floor site in doorway - room entrance.	3/6/00 7:15AM TNucci	3/6/00 7:15AM TNucci	1234R01 None	+S05144A Operational		iradigan 3/22/00 10:27PM
E	40	Floor site in room corner - general cleanliness assessment.	3/6/00 7:22AM TNucci	3/6/00 7:22AM TNucci	1234R01 None	+S05145A Operational		iradigan 3/22/00 10:27PM
No Test ID Ref	n Viab	Non Viable Particulate ef Test ID Test Site Description	Sample Date Sample Bv	Test Date Test Bv	Media Lot Equipment ID	Sample ID Room Activits	Result Exception	Entry By Enter Date
Σ	45	Particulate count taken in room center.	3/6/00 7:15AM JRadigan	3/6/00 7:15AM JRadigan	None 123444	+S05149A Operational	-	iradigan 3/22/00 11:15PM

Print #: 0002
Reviewed By:
CSSC Pharmaceuticals

Page: 1 of 5 C:\EMS214\reports\SurveyConfirmation.rpt

Report Date: 4/3/2000

Survey Contol No.

3/6/00

Survey Shift:

Survey Date:

sqd xdwx Product: Lot #:

Current Facility Daily Tests Facility: Group:

MicroSterility

RefiNo

9

Room (D:

Micro Sterility Suite Room Description

TestID Ref	Touch Plate Test Site Description	Sample Date Sample By	Test Date Test By	Media Lot Equipment ID	Sample ID Room Activity	Exception Employee II	Entry By Enter Date
Georgel.	42 Touch plate taken within laminar flow hood.	3/6/00 9:25AM TNucci	3/6/00 9:25AM TNucci	1234R01	+S05147A Operational	GeorgeL	jradigan 3/22/00 11:18PM
RLindsay	42 Touch plate taken within laminar flow hood.	3/6/00 9:26AM TNucci	3/6/00 9:26AM TNucci	1234R01	+S05147B Operational	RLindsay	iradigan 3/22/00 11:18PM
Test ID Ref	STA Plate Test ID Test Site Description	Sample Date Sample By	Test Date. Test By	Media Lot Equipment ID	Sample ID Room Activity	Exception	Entry By Enter Date

intry By	nter Date	adigan //22/00 11:18PM
ш	Exception	6.3 irac 3/2
_	Room Activity E	+S05150A Operational
Media Lot	Equipment ID	None None
Test Date	Test Bv	3/6/00 1:30PM TNucci
Sample Date	Sample By	3/6/00 1:30PM TNucci
	Section of the sectio	
	Fest ID Ref Test ID Test Site Description	1432 Point Of Use site at WFI Drop
Water pH	Test ID	1432 Point (
	Test ID Ref	WFI-000-1

iradigan 3/22/00 11:18PM

Operational +S05148A

1234R01 None

3/6/00 10:25AM 3/6/00 10:25AM TestQATech TestQATech

STA airborne contamination sample taken in room center.

44

CSSC Pharmaceuticals 0002 Reviewed By: Print #:

Date:

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Report Date: 4/3/2000

Survey Contol No.

Survey Date: Survey Shift:

3/6/00

Product: Lot #:

Current Facility Daily Tests Facility:

Group:

sqd xwbx

MicroGowning

RefNo

Room ID:

Room Description
Micro Gowning Area

Test ID Ref		NOO All Campic	Sample Date	lest Date		Sample		CITIES OV
	Tes	Test ID Test Site Description	Sample By	Test By	Equipment ID	Room Activity	Exception	Enter Date
2	34	RCS airborne contamination sample taken in center of wash area.	3/6/00 10:00AM TNucci	3/6/00 10:00AM 3/6/00 10:00AM TNucci TNucci	None None	+S05139A Operational		iradigan 3/22/00 11:18PM
&	35	RCS airbome contamination sample taken in center of clean area.	3/6/00 11:00AM TNucci	3/6/00 11:00AM 3/6/00 11:00AM TNucci TNucci	1234 Q232	+S05140A Operational		iradigan 3/22/00 11:18PM
Non Test ID Ref	Viabi Tes	Non Viable Particulate set Test Site Description	Sample Date Sample By	Test Date Test By	Media Lot Equipment(ID	Sample ID Room Activity	Result Exception	Entry By Enter Date
٤	36	Particulate count taken in center of wash area.	3/6/00 8:00AM TNucci	3/6/00 8:00AM TNucci	None	+S05141A Operational	4 Alert	iradigan 3/22/00 10:01PM
22	37	Particulate count taken in center of clean area.	3/6/00 8:05AM TNucci	3/6/00 8:05AM TNucci	None	+S05142A Operational	_	iradigan 3/22/00 10:01PM

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Reviewed By: CSSC Pharmaceuticals 0005 Print #:

Date:

Report Date: 4/3/2000

Survey Contol No.

Survey Date: Survey Shift:

3/6/00

Product: Lot #:

sqd xdwx

Group:

Daily Tests

Current Facility

Facility:

MicroGowning RefiNo

Room ID: 7

Room Description

Micro Gowning Area

By	Date	radigan 3/22/00 11:18PM		iradigan 3/22/00 11:18PM
Entry	Exception Enter Date	iradigan 3/22/00		iradig: 3/22/0
Sample ID	Room Activity E	+S05137A Operational		+S05138A Operational
Media Lot	Equipment ID	11111111		1111111
Test Date	Test By	3/6/00 8:55AM TNucci		3/6/00 8:56AM TNucci
Sample Date	Sample By	3/6/00 8:55AM TNucci		3/6/00 8:56AM TNucci
ab	Test Site Description	32 Swab sample within sink 1.	- tt4hrthrth - 2222222222 - Reason #3	33 Swab sample within sink 2.
Surface Swab	Test ID	32 Swab	- tt4hrthrth - 2.	33 Swab
	Test ID Ref	S.		S 2

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0005 Print #:

Date:

Reviewed By: CSSC Pharmaceuticals

Report Date: 4/3/2000

Survey Contol No. Survey Date: Survey Shift:

3/6/00

Product: Lot #:

sqd xwbx

Current Facility Daily Tests Facility: Group:

Water System

RefNo

74

Room ID:

Room Description
Water System

Wat	Water Endotoxin EU/ml	Sample Date	Test Date	Media Lot	Sample ID	Result	Entry By
Test ID Ref	Test ID Test Site Description	Sample By	Test By	Equipment ID:	Room Activity	Exception	Enter Date
D1LAL1	1433 Water Endotoxin at Drop 1 in Production Room A	3/6/00 8:23AM TNucci	3/6/00 11:05AM GeorgeL	1234	+S05151A Operational	5.200	jradigan 3/22/00 11:18PM
D3LAL3	1435 Water Endotoxin test at Drop 3 in Production Prep Room	3/6/00 8:24AM TNucci	3/6/00 9:25AM GeorgeL	1234	+S05152A Operational	0.530	iradigan 3/22/00 11:18PM
	Water pH	Sample Date	Test Date	Media Lot		Result	Entry By
Test ID Ref	Test ID Test Site Description	Sample By	Test By	Equipment ID	Room Activity	Exception	Enter Date
D1PH1	 Water pH at Drop 1 in Production Room A 	3/6/00 10:05AM TNucci	3/6/00 10:05AM TNucci	12345R M-002	+S05153A Operational	<0.8	jradigan 3/22/00 11:18PM
	Yes						
D3PH3	1438 Water pH at Drop 3 in Production Prep Room	3/6/00 10:07AM TNucci	3/6/00 10:07AM TNucci	12345R M-002	+S05154A Operational	4.6	iradigan 3/22/00 11:18PM
\$	Water Conductivity	Sample Date	Test Date	Media Lot ः	Sample ID	Result	Entry BV
Test ID Ref	Test ID Test Site Description	Sample Bv	Test By	Equipment ID	Room Activity	Exception	Enter Date
WFI=003-02	1443 Water Conductivity	3/6/00 10:45AM TNucci	3/6/00 10:45AM TNucci	M-002	+S05155A Operational	>4.5	jradigan 3/22/00 11:18PM
	NQ Reason				•		

Reviewed By: CSSC Pharmaceuticals 0005 Print #:

Date:

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Environmental Monitoring

System

Report Date: 4/3/2000

Survey Contol No.

Survey Date: Survey Shift:

3/6/00

MicroSterility

RefNo

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Room ID:

Facility: EMS Test Facility

Daily Tests Group:

> sqd xwbx Product: Lot #:

Room Description

Micro Sterility Suite

inder.	Rodac	Rodac TSA Plate	Sample Date	Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Tes	Test ID Test Site Description	Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
<u>.</u>	14	Site on work surface of laminar flow hood.	3/6/00 7:23AM TNucci 1234R01	3/6/00 7:23AM TNucci None	3/13/00 9:10AM VGalliani	+S05146A Operational	-	iradigan 3/22/00 10:27PM
도	38	Floor site in front of laminar flow hood.	3/6/00 7:05AM TNucci 1234R014	3/6/00 7:05AM TNucci None	3/13/00 8:00AM JRadigan	+S05143A Operational	18	iradigan 3/22/00 10:27PM
53	6g	Floor site in doorway - room entrance.	3/6/00 7:15AM TNucci 1234R01	3/6/00 7:15AM TNucci None	3/13/00 9:00AM TJoyce	+S05144A Operational	22	iradigan 3/22/00 10:27PM
E	40	Floor site in room corner - general cleanliness assessment.	3/6/00 7:22AM TNucci 1234R01	3/6/00 7:22AM TNucci None	3/13/00 9:05AM TJoyce	+S05145A Operational	∞	iradigan 3/22/00 10:27PM

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Reviewed By: Print #: 0

Date:

CSSC Pharmaceuticals

Report Date: 4/3/2000

Survey Contol No. Survey Date: Survey Shift:

3/6/00

RefiNo MicroSterility

9

Room ID:

Facility: EMS Test Facility **Daily Tests** Group:

sqd xwbx Product: Lot #: Room Description

Micro Sterility Suite

52	Non Viable Particulate	Sample Date	Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Test ID Test Site Description	Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
Σ	45 Particulate count taken in room center.	3/6/00 7:15AM JRadigan None	3/6/00 7:15AM JRadigan 123444	3/6/00 7:15AM JRadigan	+S05149A Operational	- .	iradigan 3/22/00 11:15PM
TestiDiRef	Touch Plate Test ID Test Site Description	Sample Date Sample By MediaLot	Test Date Test By Equipment ID	Result Date Result By	Samble ID Room Activity	Result Exception Employee	Entry By Enter Date
GeorgeL	42 Touch plate taken within laminar flow hood.	3/6/00 9:25AM TNucci 1234R01	3/6/00 9:25AM TNucci	3/13/00 10:00AM JRadigan	+S05147A Operational	2 GeorgeL	jradigan 3/22/00 11:18PM
RLindsay	42 Touch plate taken within laminar flow hood.	3/6/00 9:26AM TNucci 1234R01	3/6/00 9:26AM TNucci	3/13/00 10:00AM RLindsav	+S05147B Operational	2 RLindsay	iradigan 3/22/00 11:18PM
Test ID Ref	STA Plate Test ID Test Site: Description 44 STA airbome contamination sample taken in room center.	Sample Date Sample By Media Lot 3/6/00 10:25AM TestQATech 1234R01	Test Date Test By Equipment ID 3/6/00 10:25AM TestQATech None	Result: Date Result: By 3/11/00 11:00AM VGalliani	Sample ID RoomActivity +S05148A Operational	Result Exception	Entry By Enter Date iradigan 3/22/00 11:18PM

Page: 2 of 7 C:\EMS214\reports\SurveyResults.mt

Date:

CSSC Pharmaceuticals

Reviewed By:

Print #: 0

Environmental Monitoring

System

4/3/2000 Report Date:

Survey Contol No.

Survey Date:

Survey Shift:

3/6/00

MicroSterility

RefNo

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Room ID:

Facility: EMS Test Facility

Daily Tests

Group:

sqd xdwx Product: Lot #:

Micro Sterility Suite Room Description

iradigan 3/22/00 11:18PM Enter Date Entry By Exception Result 6.3 Room Activity +S05150A Operational Sample ID 3/6/00 2:50PM TJoyce Result Date Result By 3/6/00 1:30PM Equipment ID. Test Date Test By TNucci None 3/6/00 1:30PM TNucci Sample Date Sample By Media Lot None Test Site Description 1432 Point Of Use site at WFI Drop Water pH Test ID **Fest ID Ref** WFI-000-1

C:\EMS214\reports\SurveyResults.rpt

Reviewed By:

Print #:

Date:

CSSC Pharmaceuticals

Report Date: 4/3/2000

Survey Contol No.

Survey Date: Survey Shift:

3/6/00

Product: Lot #:

MicroGowning

RefiNo

Room ID:

sqd xdwx

Facility: EMS Test Facility **Daily Tests** Group:

Room Description
Micro Gowning Area

	RCS ,	RCS Air Sample	ole		Sample Date Test Date	Test Date	Result Date	Sample ID	Result Entry By	Entry By
Test ID Ref		Test ID	Test Site Description		Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Exception Enter Date
듄	34		RCS airborne contamination sample taken in center of wash area.	e taken in center	3/6/00 10:00AM TNucci None	3/6/00 10:00AM TNucci None	3/11/00 10:00AM JRadigan	+S05139A Operational	2	iradigan 3/22/00 11:18PM
82	35	RCS airborne of clean area	RCS airborne contamination sample taken in center of clean area.	e taken in center	3/6/00 11:00AM TNucci 1234	3/6/00 11:00AM TNucci Q232	3/11/00 1:50PM JRadigan	+S05140A Operational	2	iradigan 3/22/00 11:18PM
				A STATE OF THE STA			が変更なというながらない。	A CONTRACTOR OF THE PARTY OF TH		C.

Testilo Ref	Toetil		THE RELEASE OF THE PARTY OF THE	Sample Date	lest Date	Result Date			
		Test Site Description		Sample Bv Media Lot	Test By Equipment ID	Result BV	Room Activity	Exception	Enter Date
38		Particulate count taken in center of wash area.	wash area.	3/6/00 8:00AM TNucci	3/6/00 8:00AM TNucci None	3/6/00 8:00AM TNucci	+S05141A Operational	4 Alert	iradigan 3/22/00 10:01PM
37	37. Parti	Particulate count taken in center of clean area.	clean area.	3/6/00 8:05AM TNucci	3/6/00 8:05AM TNucci None	3/6/00 8:05AM TNucci	+S05142A Operational	_	iradigan 3/22/00 10:01PM

CSSC Pharmaceuticals Reviewed By: Print #:

Date:

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Report Date: 4/3/2000

Survey Contol No. Survey Date: Survey Shift:

3/6/00

Product: Lot #:

MicroGowning

RefNo

Room ID:

Facility: EMS Test Facility

Daily Tests

Group:

sqd xwbx

Room Description

Micro Gowning Area

	Surface Swab	qı	. 0	Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Test ID	Test Site Description	Sample By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
۶۵	32 Swab s	Swab sample within sink 1.	3/6/00 8:55AM TNucci 11111111	3/6/00 8:55AM TNucci	3/13/00 1:15PM RWatson	+S05137A Operational	o o	iradigan 3/22/00 11:18PM
	- tt4hrthrth - 22	- tt4hrthrth - 2222222222 - Reason #3						
S 5	33 Swab s	Swab sample within sink 2.	3/6/00 8:56AM TNucci 11111111	3/6/00 8:56AM TNucci	3/13/00 2:30PM RLindsay	+S05138A Operational	2	iradigan 3/22/00 11:18PM

Page: 5 of 7 C:\EMS214\reports\SurveyResults.rpt

Date:

Reviewed By: CSSC Pharmaceuticals

Report Date: 4/3/2000

Survey Contol No.

Survey Date: Survey Shift:

3/6/00

Water System

RefiNo

74

Room ID:

sqd xwbx Product: Lot #:

Facility: EMS Test Facility

Daily Tests Group:

Room Description Water System

Wat	Water Endotoxin EU/ml	EU/ml		Sample Date	Test Date	Result Date	Sample ID	Result	Entry By
Test ID Ref	Test ID	Test Site Description		Samble By Media Lot	Test By Equipment ID	Result By	Room Activity	Exception	Enter Date
D1LAL1	1433 Water E	1433 Water Endotoxin at Drop 1 in Production Room A	on Room A	3/6/00 8:23AM TNucci	3/6/00 11:05AM GeorgeL 1234	3/6/00 1:35PM TJoyce	+S05151A Operational	5.200	iradigan 3/22/00 11:18PM
D3LAL3	1435 Water Ei Room	Water Endotoxin test at Drop 3 in Production Prep Room	duction Prep	3/6/00 8:24AM TNucci	3/6/00 9:25AM GeorgeL 1234	3/6/00 1:35PM TJoyce	+\$05152A Operational	0.530	iradigan 3/22/00 11:18PM
Test ID Ref	Water pH Test ID	Test Site Description		Sample Date Sample By Media Lot	Test Date Test By Equipment ID	Result Date Result By	Sample ID Room Activity	Result	Entry By Enter Date
D1PH1	1436 Water ph	1436 Water pH at Drop 1 in Production Room A	∀	3/6/00 10:05AM TNucci 12345R	3/6/00 10:05AM TNucci M-002	3/6/00 4:30PM TJovoe	+S05153A Operational	8.0>	iradigan 3/22/00 11:18PM
D3PH3	1438 Water pi	1438 Water pH at Drop 3 in Production Prep Room	Room	3/6/00 10:07AM TNucci 12345R	3/6/00 10:07AM TNucci M-002	3/6/00 4:25PM TJoyce	+S05154A Operational	9.4	jradigan 3/22/00 11:18PM

Reviewed By: CSSC Pharmaceuticals Print #:

Date:

C:\EMS214\reports\SurveyResults.rpt

Report Date: 4/3/2000

Survey Contol No.

Survey Date: Survey Shift:

3/6/00

Product: Lot #:

Facility: EMS Test Facility Group:

Daily Tests

RefiNo Water System

74

Room ID:

xwbx

Room Description Water System

×	Water Conductivity	ctivity	Sample	Date	Sample Date Test Date	Result Date	Sample ID		Entry By
Test ID Ref	Test ID	Test Site Description	Sample By Media Lot	3y	ample By Test By ledia Lot Equipment ID	Result By	Room Activity	Exception	Enter Date
WFI=003-02	i	1443 Water Conductivity	3/6/00 10 TNucci	3/6/00 10:45AM TNucci	3/6/00 10:45AM TNucci M-002	3/6/00 10:45AM TNucci	+S05155A Operational	>4.5	iradigan 3/22/00 11:18PM
	NQ Reason								

Page: 7 of 7 C:\EMS214\reports\SurveyResults.rpt

Print #: 0

Date:

Reviewed By: CSSC Pharmaceuticals

Microbial Over Action Limits Investigation

Control No. 2047

Sample Date 09/02/1999 Pro Room: 6 Production Fill Line # Sample Site 38 - Floor site i Result 35 Alert Level	f6 n front of laminar flow hood.				
Trending information.	Dates trended: From 10/12/1998 To 10/12/1999				
List dates of any excursions for this site and the results	Historical Data - Date				
Date Result	60 50 . MaxAlert . MaxAction 20 . MaxAction 0 . MaxAction 0 . MaxAstion				
Dates subsequent samples and the results/_/					
Product Sterility Test Result: Endotoxin results: (if a gram negative isolate only): Pass Fail Fail					
Microbial Characterization poten 1. VITEK Id Number:	tial source of organism VITEK characterization;				
2. API 20 E Lot NoAPI 20 E Characterization	Exp. Date: API 20E ld No				
3. API 20NE Lot NoAPI 20NE Characterization	Exp. Date: API 20NE ld No				
Suspected Source of organism:					
List any calibration or maintenan	ce that has been done in the area that may have affected the site				
Investigation Conducted by	Date				
Reviewed by	Date				

Microbial Monitoring Adv	ers Trend Report	
То:		
From: Microbiology Supervisor	r	
The following site has develope	d an adverse trend and needs	immediate attention.
Sample Date 09/07/1999 Room: 6		
Sample Site 41 - Site on work Result 16 Alert Level	ork surface of laminar flow h 15 Action Level 18	ood.
		40/44/4009 To 40/44/4000
Trending information.	Dates trended: From	10/14/1998 To 10/14/1999
This section to be filled out by the Possible cause for the trend	ne manager or supervisor resp	
		(0)
Signature	Title	Date
This Section to be filled out by N	Microbiology Supervisor or des	signee
Results of samplings since the	corrective action	
Is the corrective action effective	based upon the results?	YesNo
Signature	Title	Date

Objectionable Microbial Organism Notification Report
To:
From: Environm ntal Monitoring System
During routine organism identification monitoring, the following objectionable organism was detected. <i>Bacillus cereus</i>
Sample Date 03/23/2000 Survey Number: 1050 Sample ID: +S07354A Room: 5 - Micro Lab2 A174 Sample Site 4 - Floor Between hood #1 and hood #2. Sample approx 2 feet in front. Result 44 Alert Level 10 Action Level 15
Trending information. Dates trended: From 07/28/1999 To 07/28/2000
Historical Data Trend Avg MaxAlert MaxAction This section to be filled out by the manager or supervisor responsible for the area Possible cause for the appearance of this organism Corrective action and date implemented
Signature Date
This Section to be filled out by Microbiology Supervisor or designee
Results of samplings since the corrective action
Is the corrective action effective based upon the results? Yes No
Signature Title Date

Report Date

10/20/99

Out of Limits Deviation Report

Control Number

- (4)

2015 Close Status

Yes

Surv y Number

Sample ID



Test Date 5/7/99 7:57:00AM Shift 2 Group Weekly Assesment
Test ID 40 Room Desc Micro Sterility Suite

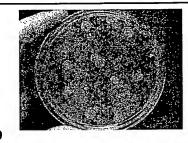
Test User Ref R-002-B

Test Desc Floor site in room corner - general cleanliness assessment.

Test Type Rodac Plates TSA

Read Date 5/14/99 5:25:00AM Read By JRadigan

Reading 33.00 AlertLimit 0.00 25.00 Action Limit 0.00 30.00



linvestigation Activit	ies 🦠	
Check Maint Log	Yes	
Check Cleaning Log	Yes	
Review Batch Record Data	Yes	
Verify Training Records	Yes	
Review Other OOL Cond	Yes	
Check Utilities	Yes	
Verify Calibration Docs	Yes	
Review Lab Docs	Yes	
Review Test Procedures	Yes	
Other .	No	

Investigation Narative:

Review of all logs revealed no adverse events. Training documents were reviewed and all were found to be current. All production and lab documents were reviewed and no descrepancies were found.

Obs	Source	Report ID	Equip	ment ID	ID Date	ID By	97 S. C.
1	Vitek	10424	1224-1	NF	5/18/99 12:00:00AN	JRadigan	
	Gram Stain	Microscopic	Organism Type	Species			
	Neg	rod	Bacteria	Bacillus sub	tillus		
Obs	Source	Report ID	Equip	ment ID	ID Date	ID By	
2	Vitek	12377	1224-1	NF	5/18/99 12:00:00AN	JRadigan	
	Gram Stain	Microscopic	Organism Type	Species			
	Pos	rod	Bacteria	Bacillus stea	arothermophilis		

Gorielive/Adijon

Okranismildentifications

Gownling and production procedures were reviewed with all production technicians. Cleaning procedures were also reviewed with cleaning crew.

Conclusions

No single cause ciuld be determined as review of documents and procedures did not identify any deviations from normal routine. It is concluded that there the cause is most probably due to technician contamination. All technicians involved in production on this date were counselled and aseptic gowning and operational procedures were reviewed. Subsequent testing demonstrated return to normal levels.

Close Date 9/13/99 8:41:48AM

Close By jradigan

Sample Database Listing



Environmental Monitoring

System

Report Date: 10/20/99

Facility ID	Facility Name	Active Status	Last Maint Date	Last Maint By	Req Equip	Req Media Lot	Assign Samp ID	Review Date	Review Freq
7	EMS Test Facility	Yes	10/2/99	jradigan	Yes	Yes	Yes	5/1/99	Monthly
က	Test QA/QC Facility	<u>8</u>	8/25/99	jradigan	Š	S O	8	6/1/99	Monthly
4	Jordan Validation	Yes	8/25/99	jradigan	Yes	Yes	Yes	6/1/9	Annually
2	Jordan Pharmaceuticals	Yes	8/23/99	jradigan	Yes	Yes	Yes	6/1/9	Annually
œ	Test Jordan Facility	Yes	66/8/6	jradigan	2	S N	Yes	6/1/9	Quarterly
თ	New Water Facility	Yes	9/28/99	jradigan	Yes	Yes	Yes		
10	EMS Test Facility 2	Yes	10/14/99	jradigan	Yes	Yes	Yes		Annually

Report Date: 10/20/99

Facility Name Facility ID

EMS Test Facility

Active Status: Yes

Last Maint Date Last Maint By

10/2/99 jradigan

Last Review Date Review Frequency

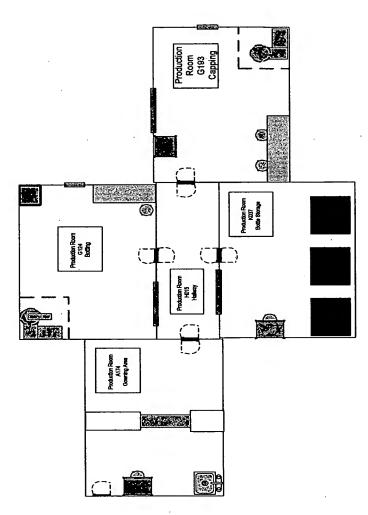
5/1/99 Monthly

Yes Auto Sample ID No.

Require Media Lot

Yes

Require Equipment ID Yes



Report Date 10/20/99

Facility ID

2 Name

EMS Test Facility

Room ID

Room Ref No A174

Room Description

Miero Lab त

Room X

Room Y 0

Class 10,000

Room Classification

Not Classified

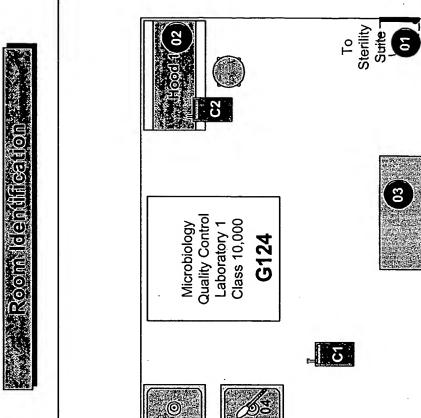
Production Area Classification

1999/10/18 09:38:12.00

LastMaint By

Last Maint Date

jradigan



Page

Environmental Monitoring System

Report Date 10/20/99

S Room ID

Room Ref No MicroLab2 A1

Room Description

Miero Lab2,4%

Room X

Room Y 0

Class 10,000

Room Classification

Production Area Classification

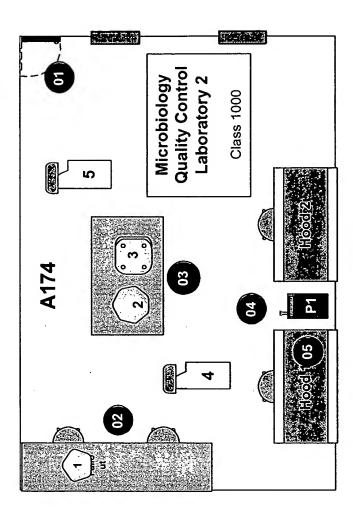
Class 100

Last Maint Date

1999/09/30 04:28:35.00

LastMaint By

jradigan



Report Date 10/20/99

Room ID 6

Room Ref No MicroSterility

Room Description

Micro Sterility Suite

Room X 0

Room Y 0

Room Classification

Class 100,000

Production Area Classification

uction Area Classification

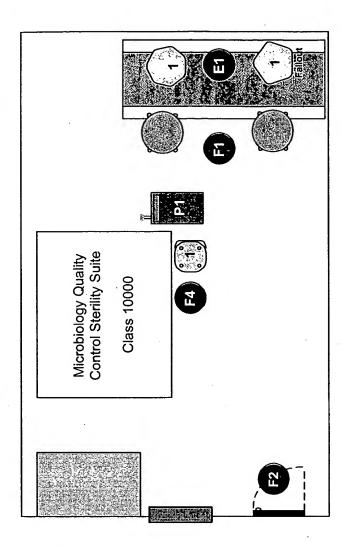
on Class 100

Last Maint Date

1999/08/26 15:45:46.00

LastMaint By

jradigan





Report Date:

Site ID	Site Description
1	Wall
2	Floor
2 3	Glove
4	Garment
5	Production Surface
6	Work Surface
7	Critical Surface
8	Counter
9	Door
10	Water
11	Pressure
12	Sink
13	Room Air
14	HEPA Curtains
15	Tools
16	Ceiling
17	General assessment site.
. 18	Pass-through
19	Non-Viable Particulate
20	Equipment

Report Date:

10/20/99

Room ID

Room Ref

4

A174

Room Description

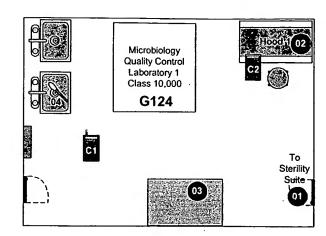
Micro Lab 1

Classification Not Classified

Survey Stie Listing By Room

Facility EMS Test Facility

Test SOP



One Side

True

False

False

False

True

False

True

False

True

False

True

False

Min Alert Limit

Lot Specific Min Action Limit Max Action Limit

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

Max Alert Limit

25.000

30.000

25.000

30.000

25.000

30.000

30.000

35.000

25.000

30.000

15.000

20.000

Rodac TS	APlate:	
Test ID	Test Description	
Test Ref	Test Cat	Site Desc
13	Floor site in d	oorway - room entrance.
F1	· Viable	Floor
Test Memo		
14	Floor site in fi	ont of laminar flow hood.
F2	Viable	Floor
Test Memo		
15	Floor site in d	oorway - to sterility suite.
F3	Viable	Floor
Test Memo		
16	Floor site in f	ront of sinks.
F4	Viable	Floor
Test Memo		
17 .	Floor site in o	enter of room.
F5	Viable	Floor
Test Memo		
18	Site on work	surface of laminar flow hood.
E1	Viable	Critical Surface

RCS.ico

RODAC.ICO

Test ID	Test Description			One Side	Min Alert Limit	Max Alert Limit
Test Ref	Test Cat Site Desc		Test SOP	Lot Specific	Min Action Limit	Max Action Limit
22	Touch plate	taken on work surface.		True	0.000	22.000
ZZ1	Viable	Glove		False	0.000	30.000
Test Memo						

200 200 C P. D. D. D. D. D.	THE PERSON NAMED IN COLUMN TWO	DOTE THE WAY BEEN	NAME OF TAXABLE PARTY OF THE PARTY.
INon Viab	le Particulat	6 - L	
Code Contract			·····································

Particle.ico

Test ID	Test Description	-		One Side	Min Alert Limit	Max Alert Limit	
Test Ref Test Cat		Site Desc	Test SOP	Lot Specific	Min Action Limit	Max Action Limit	
24	Particulate coun	t taken in room center.		True	0.000	3.000	
P1	NonViable	Counter		False	0.000	7.000	
Test Memo							

CSSC Pharmaceuticals

Test Memo

1



Facility EMS Test Facility

Report Date:

Test Memo

10/20/99

Falloutif	late in	SAS.ic	О			
Test ID	Test Description			One Side	Min Alert Limit	Max Alert Limit
Test Ref	Test Cat	Site Desc	Test SOP	Lot Specific	Min Action Limit	Max Action Limit
21	Fallout plate within	laminar flow hood.		True	0.000	20.000
1	Viable	Critical Surface		False	0.000	25.000
Test Memo						
STAIRI		STA.ic	o			
Test ID	Test Description			One Side	Min Alert Limit	Max Alert Limit
Test Ref	Test Cat	Site Desc	Test SOP	Lot Specific	Min Action Limit	Max Action Limit
23	Airborne contamin	ation count taken in center of room.		True	0.000	30.000
1	Viable	Counter		False	0.000	40.000
Test Memo						
Surface	Swah - Swa	Swab.i	co			
Test ID	Test Description	Owab	00	One Side	Min Alert Limit	Max Alert Limit
Test Ref	Test Cat	Site Desc	Test SOP	Lot Specific	Min Action Limit	Max Action Limit
19	Swab sample with	in sink 1.		True	0.000	40.000
S1	Viable	Work Surface		False	0.000	50.000
Test Memo						
20	Swab sample with	in sink 2.		True	0.000	40.000
S2	Viable	Work Surface		False	0.000	50.000

Report Date:

10/20/99

Room ID

Room Ref

5

MicroLab2 A174

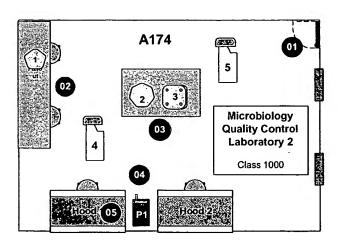
Room Description

Micro Lab2 A174

Classification Class 10,000



Facility EMS Test Facility



RodaciiS	A Plate	RO	DAC.ICO			
Test ID	Test Description			One Side	Min Alert Limit	Max Alert Limit
Test Ref	Test Cat	Site Desc	Test SOP	Lot Specific	Min Action Limit	Max Action Limit
3	Floor between v	workstations approx 2 feet in front	True	0.000	4.000	
02	Viable	Floor	False	0.000	6.000	
Test Memo						
4	Floor Between I	hood #1 and hood #2. Sample app	True	0.000	10.000	
04 -	Viable	Floor		False	0.000	15.000
Test Memo						
5	Floor in center of	of room.		False	0.000	13.000
03	Viable	Floor		False	0.000	15.000
Test Memo					•	
6	Floor in doorwa	y / room entrance		True	0.000	13.000
01	Viable	Floor		False	0.000	15.000
Test Memo						
7	Floor in room a	omer - assess general room deanli	ness.	True	0.000	20.000
F5	Viable .	Floor		False	0.000	30.000
Test Memo						
8	Site on work su	rface of laminar hood 1.		True	0.000	12.000
05	Viable	Critical Surface		False	0.000	15.000
Test Memo						
9	Site on work su	rface of laminar hood 2.		False	0.000	12.000
E2	Viable	Critical Surface		False	0.000	15.000
Test Memo						

Non Wieble Particulate	ANCH DEPOSIT

Particle.ico

Test ID	Test Description			One Side	Min Alert Limit	Max Alert Limit
Test Ref	Test Cat	Site Desc	Test SOP	Lot Specific	Min Action Limit	Max Action Limit
12	Particulate count	taken between laminar flow hoods.		True	0.000	3.000
P1	NonViable	Counter		False	0.000	7.000
Test Memo		•				

ifoudh Place

Touch.ico

Test ID Test Description One Side Min Alert Limit Max Alert Limit

Test Ref Test Cat Site Desc . Test SOP Lot Specific Min Action Limit Max Action Limit

SulvévSle L'Éline By Room

15.000

Report Date: 10/20/99

10 Personnel touch plate.

True 0.000 Viable Glove True 20.000 T1 rrr 0.000

Test Memo tyrtytryrtyty

STAPAG Test ID

STA.ico One Side Min Alert Limit **Max Alert Limit**

Facility EMS Test Facility

Test Description Test Ref Test Cat Site Desc **Test SOP** Lot Specific Min Action Limit Max Action Limit

11 Airborne contamination STA plate in center of room. True 0.000 20.000 S1 Viable Counter False 0.000 30.000

Test Memo

Report Date:

10/20/99

Room ID

Room Ref

6

MicroSterility

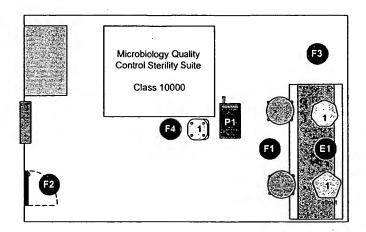
Room Description

Micro Sterility Suite

Classification
Not Classified

Survey Site Listing By Room:

Facility EMS Test Facility



ronacii o	A Plate	14.25.25.27	RODAC.ICO				
est ID	Test Description				One Side	Min Alert Limit	Max Alert Limit
est Ref	Test Cat	Site Desc		Test SOP	Lot Specific	Min Action Limit	Max Action Limit
38	Floor site in front of	of laminar flow hood.			True	0.000	20.000
1	Viable	Floor	:		False	0.000	25.000
est Memo							
39	Floor site in doorw	ay - room entrance.			True	0.000	25.000
2	Viable	Floor	•		False	0.000	30.000
est Memo							
10		comer - general deanline	ss assessment.		True	0.000	25.000
3 est Memo	Viable	Floor			False	0.000	30.000
ist memo	Cita an work avefa	ce of laminar flow hood.			True	0.000	45.000
* 1 1	Viable	Critical Surface			False	0.000 0.000	15.000 18.000
est Memo	VIADIC	Chical Sunace			i aise	0.000	10.000
ion Vialo	le Particulate:		Particle.ico				
est ID	Test Description			•	One Side	Min Alert Limit	Max Alert Limit
est Ref	Test Cat	Site Desc		Test SOP	Lot Specific	Min Action Limit	Max Action Limi
15	Particulate count t	aken in room center.			True	0.000	2.000
1	NonViable	Counter			False	0.000	5.000
est Memo				•			
			•				
ouch Pl	ile// / / / /		Touch.ico				
	ate/ Test Description		Touch.ico		One Side	Min Alert Limit	Max Alert Limit
est ID	ZIALIONAL IN ACCUMENT	Site Desc	Touch.ico	Test SOP		Min Alert Limit Min Action Limit	
est ID est Ref	Test Description Test Cat	Site Desc within laminar flow hood.		Test SOP			
est ID est Ref	Test Description Test Cat			Test SOP	Lot Specific	Min Action Limit	Max Action Limi
ouch Pla est ID est Ref 42 est Memo	Test Description Test Cat Touch plate taken	within laminar flow hood.		Test SOP	Lot Specific True	Min Action Limit 0.000	Max Action Limit 15.000
est ID est Ref 42 est Memo	Test Description Test Cat Touch plate taken Viable	within laminar flow hood.		Test SOP	Lot Specific True	Min Action Limit 0.000	Max Action Limi 15.000
est ID est Ref 42	Test Description Test Cat Touch plate taken Viable	within laminar flow hood.		Test SOP	Lot Specific True	Min Action Limit 0.000	Max Action Limi 15.000

CSSC Pharmac uticals 5



Facility EMS T st Facility

Report Date:

10/20/99

43.

Fallout plate taken within laminar flow hood.

Viable

Critical Surface

True False 0.000 0.000

10.000 15.000

Test Memo

STA Plate

STA.ico

Test ID **Test Description**

Site Desc

Test SOP

One Side Min Alert Limit Min Action Limit Max Action Limit Lot Specific

Max Alert Limit

Test Ref 44

Test Cat

STA airborne contamination sample taken in room center.

True

0.000

20.000

Viable

Counter

False

0.000

25.000

Test Memo

Waterola Test Description

ChemGen.ico

Site Desc

Point Of Use site at WFI Drop

Test SOP

Min Alert Limit One Side

Max Alert Limit

Test Ref 1432

Test Cat

Lot Specific False

Min Action Limit Max Action Limit 5.500 -

7.200

WFI-000-1 **Test Memo** Water

Water

WFI -122222

False

6.000

7.900

Report Date: 10/20/99

Room Description Room G124

66

Room ID

Facility: EMS Test Facility 2

Picture						(人) (大) (大) (大) (大) (大) (大) (大) (大) (大) (大	である。																		
				Min	0.000	0.000				Min	0.000	0.000				Min	0.000	0.000				Min	0.000	0.000	
				Max	15.000	21.000				Max	22.000	37.000				Max	12.000	18.000				Max	16.000	24.000	
	Rodac TSA Plate	Floor	Viable		res Alert Limit	Action Limit		Rodac TSA Plate	Work Surface	Viable	res Alert Limit	Action Limit	Rodac TSA Plate	Work Surface	Viable		fes Alert Limit	Action Limit	Surface Swab	Sink	Viable			Action Limit	
	Test Type	Site Desc	Category		One Side Yes			Test Type	Site Desc	Category .	One Side Yes		Test Type	Site Desc	Category		One Side Yes		Test Type		Site Desc Category		One Side Yes		
			Classification	Class 10,000						Classification Class 10.000					Classification	Class 10,000					Classification	Class 10,000			
Test ID Description	Floor Rodac					Maint By jradigan		Counter Rodac				Maint By jradigan	Work Surface					Maint By jradigan	Sink Swah					Maint By jradigan	
Test User Ref				JJ123456	Š	10/18/99		2		1.1666688	2	9/30/99				777068jj	Ŷ	66/00/6				JJ3456-R5	N _o	9/30/99	
Test ID	1428 01			Test SOP	Lot Specific	Maint Date	Test Memo	1429 02		Test SOP	Lot Specific	Maint Date Test Memo	1430 03			Test SOP	Lot Specific	Maint Date Test Memo	1431			Test SOP	Lot Specific	Maint Date Test Memo	



ste						
)	10/20/99 Description	IncT mp	Inc Hours	TNTC Val	Last Maint By	Test Cod D so
	Test SOP	Test Media	168	100	Last Maint Date	Viable
1	Rodac TSA Plate	33-37	100	100	jradigan	
		TSA		· · · · · · · · · · · · · · · · · · ·	10/19/99 5:53:08AM	RODAC.ICO
· 2	Rodac Plates RB	50-55	168	300	jradigan	Viable
		Rose Bengal			10/19/99 5:55:19AM	RCS.ico
3	RCS Air Sample	33-37	120	300	jradigan	Viable
		TSA			10/19/99 5:55:24AM	RCS.ico
4	RCS Air Sample RB	50-55	120	300	jradigan	Viable
		Rose Bengal			10/19/99 5:55:30AM	RCS.ico
5	Non Viable Particulate	None	0	0	jradigan	NonViable
		None			8/19/99 5:41:45AM	Particle.ico
7	Water TOC	33-37	120	300	jradigan	Water
		TSB			8/19/99 5:41:50AM	TOC.ico
8	Touch Plate	33-37	168	300	jradigan	Viable
		TSA			8/19/99 5:41:56AM	Touch.ico
9	Settling Plate	33-37	168	300	jradigan	Viable
	dddddd	TSA			8/19/99 5:42:02AM	Settle.ico
10	Fallout Plate	33-37	120	300	jradigan	Viable
		TSA			8/19/99 5:42:07AM	SAS.ico
11	STA Plate	33-37	120	300	jradigan	Viable
		TSA			8/19/99 5:42:12AM	STA.ico
12	Surface Swab	33-37	168	300	jradigan	Viable
		TSA			10/5/99 11:30:44AM	Swab.ico
14	SAS Air Sample	33-37 C	168	300	jradigan	Viable
		TSA			8/19/99 5:42:22AM	SAS.ico
15	Garment Sample	33-37	120	300	jradigan	Viable
		TSA			8/19/99 5:42:26AM	Gown.ico

CSSC Pharmaceuticals 1



	10/20/99							
D	D scription	IncT mp	Inc Hours	TNTC Val	Last Maint By	Test Code Desc		
16	Test SOP Water Endotoxin	Test Media 36-38	4	5	Last Maint Date jradigan	Icon Fil Nam Water		
		None			8/19/99 5:42:31AM	LAL.ico		
17	Water Microbial	33-37	120	300	jradigan	Water		
		TSA			8/19/99 5:42:34AM	WATER.ICO		
18	Water pH	None	0	14	jradigan .	Water		
		None			8/19/99 5:42:39AM	ChemGen.ico		
19	Water Metals	None	0	0	jradigan	Water		
		None			8/19/99 5:42:45AM	WATER.ICO		
20	Water Conductivity	None	0	5000	jradigan	Water		
		None			8/19/99 5:42:49AM	ChemGen.ico		
21	Water Coliform	None	0	300	jradigan	Water		
		None			9/16/99 8:45:19AM	MicroGen.ico		
22	test	88	168	30	jradigan	Viable		
		jmj			8/19/99 5:42:54AM	Rodac2.ico		

CSSC Pharmaceuticals 2



Report Date: 10/20/99

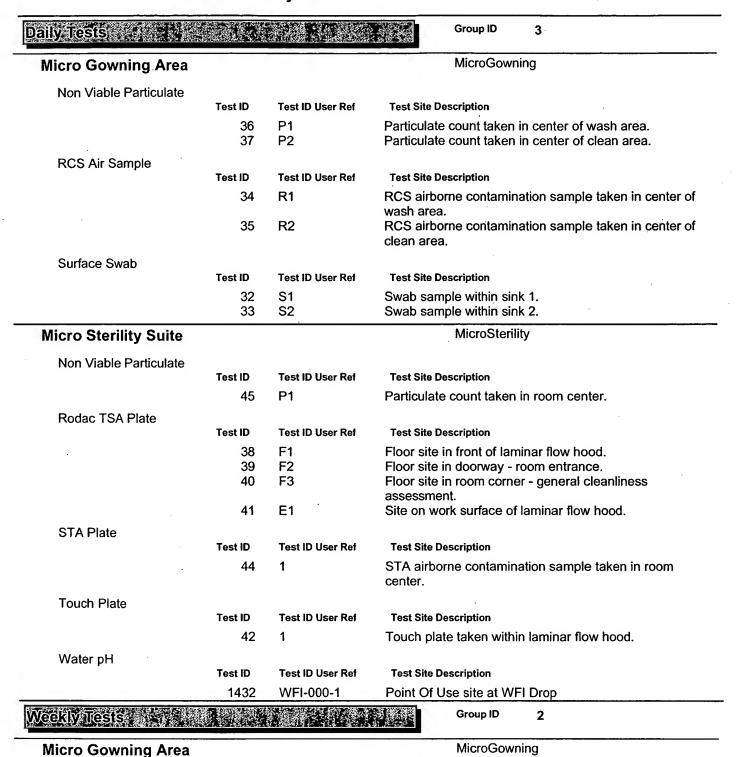
	t Last Maint By			
	Last Maint Date	8/31/99	8/26/99	9/17/99
	Picks Per Survey	2	10	10
	Random Pick			
	Group Active	2	Ž	Yes
	Lot Specific	Š	Yes	Yes
-	Frequency	Weekly	Daily	. Daily
EMS				
2 Facility Name: EMS Test	Group Description	Weekly Tests	Daily Tests	Production Daily
Facility ID: 2	Group ID	7	က	19

System
Report Date:

10/20/99

Facility:

EMS Test Facility



CSSC Pharmaceuticals

Non Viable Particulate

Test ID

Test ID User Ref

Test Site Description

Report Date: 10/20/99

Facility:

EMS Test Facility



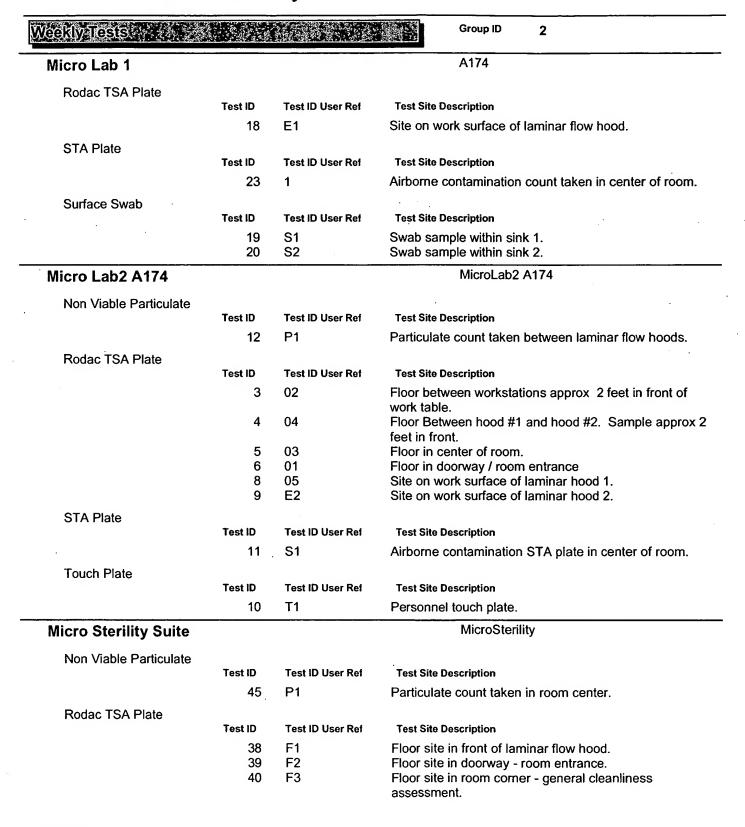
Weekly Tests 👍 🔻			Group ID 2
Micro Gowning Area			MicroGowning
Non Viable Particulate			
	Test ID	Test ID User Ref	Test Site Description
	36 37	P1 P2	Particulate count taken in center of wash area. Particulate count taken in center of clean area.
RCS Air Sample	Test ID	Test ID User Ref	Test Site Description
	34	R1	RCS airborne contamination sample taken in center of wash area.
	35	R2	RCS airborne contamination sample taken in center of clean area.
Rodac TSA Plate			•
	Test ID	Test ID User Ref	Test Site Description
	25 26	F1 F2	Floor site in doorway - room entrance. Floor site on wash side of bench designating class transition area.
	27	F3	Floor site on clean site of bench designating class transition area.
•	28	F4	Floor site in doorway leading to controlled area.
	29	W1	Wall site near doorway - room entrance.
	30 31	W2 W3	Wall site on near wall - general cleanliness assessment. Wall site near door leading to controlled area.
Surface Swab			
	Test ID	Test ID User Ref	Test Site Description
	32 33	S1 S2	Swab sample within sink 1. Swab sample within sink 2.
Micro Lab 1			A174
Fallout Plate			
, and at that	Test ID	Test ID User Ref	Test Site Description
	21	1	Fallout plate within laminar flow hood.
Non Viable Particulate			
	Test ID	Test ID User Ref	Test Site Description
	24	P1	Particulate count taken in room center.
RCS Air Sample			
	Test ID	Test ID User Ref	Test Site Description
	22	ZZ1	Touch plate taken on work surface.
Rodac TSA Plate	Test ID	Took ID Heer Dea	Took Site Decembring
	Test ID	Test ID User Ref	Test Site Description
	13 14	F1 F2	Floor site in doorway - room entrance. Floor site in front of laminar flow hood.
	15	F3	Floor site in doorway - to sterility suite.
	16	F4	Floor site in front of sinks.
	17	F5	Floor site in center of room.

Report Date:

10/20/99

Facility:

EMS T st Facility



Coup Assignments

Report Date: 10/20/99

Facility:

EMS Test Facility



Weekly Tests			Group ID 2
Micro Sterility Suite			MicroSterility
Rodac TSA Plate			
110000 10711 1010	Test ID	Test ID User Ref	Test Site Description
	41	E1	Site on work surface of laminar flow hood.
STA Plate			
	Test ID	Test ID User Ref	Test Site Description
	44	1	STA airborne contamination sample taken in room center.
Touch Plate	•		
	Test ID	Test ID User Ref	Test Site Description
	42	1	Touch plate taken within laminar flow hood.
Production Room 100	Hallway		Prod100
Non Viable Particulate			
	Test ID	Test ID User Ref	Test Site Description
•	102	P1	Particulate count in center of room.
RCS Air Sample			
	Test ID	Test ID User Ref	Test Site Description
	101	R1	RCS airborne contamination sample in center of room.
Rodac TSA Plate	.		
	Test ID	Test ID User Ref	Test Site Description
	93 94	F1 F2	Floor site near doorway to room 101. Floor site near doorway to room 103.
	95	F3	Floor site near doorway to room 102.
	96	.F4	Floor site near doorway to room 104.
	97	W1	Wall site near doorway to room 101.
	98	W2	Wall site near doorway to room 103.
	99	W3	Wall site near doorway to room 102.
	100	W4	Wall site near doorway to room 104.
Production Room 101	Gowning	g Area	Prod101
Non Viable Particulate			
	Test ID	Test ID User Ref	Test Site Description
	91	P1	Particulate count in center of wash area.
	92	P2	Particulate count in center of clean area.
RCS Air Sample	Test ID	Tost ID Hear Ref	Test Site Description
	1 est 10 89	Test ID User Ref R1	•
	09	ΝI	RCS airborne contamination sample in center of wash area.
	90	R2	RCS airborne contamination sample in center of clean area.
Rodac TSA Plate			
	Test ID	Test ID User Ref	Test Site Description

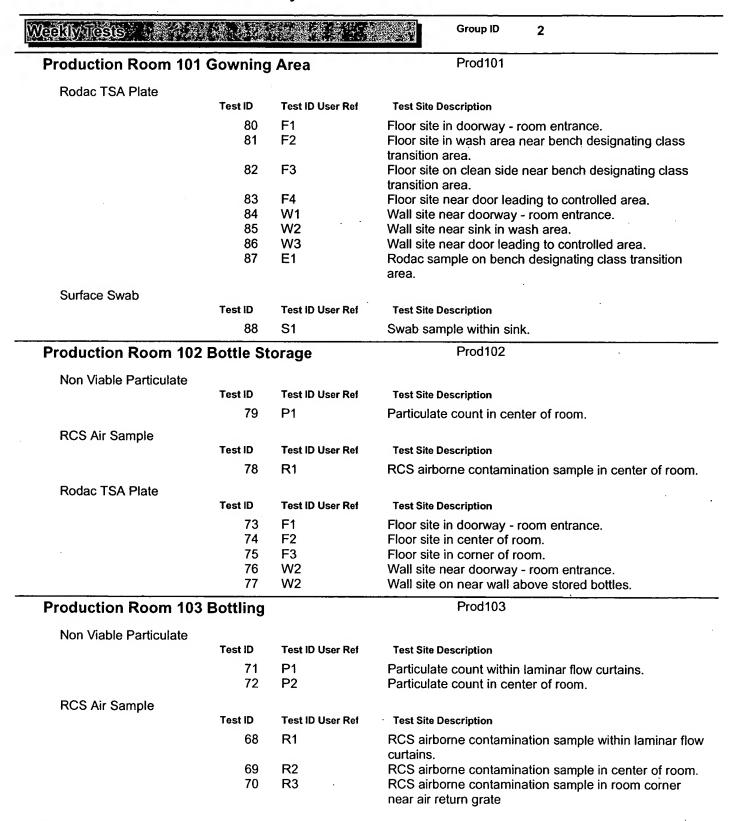
Report Date:

10/20/99

10/20

Facility:

EMS Test Facility



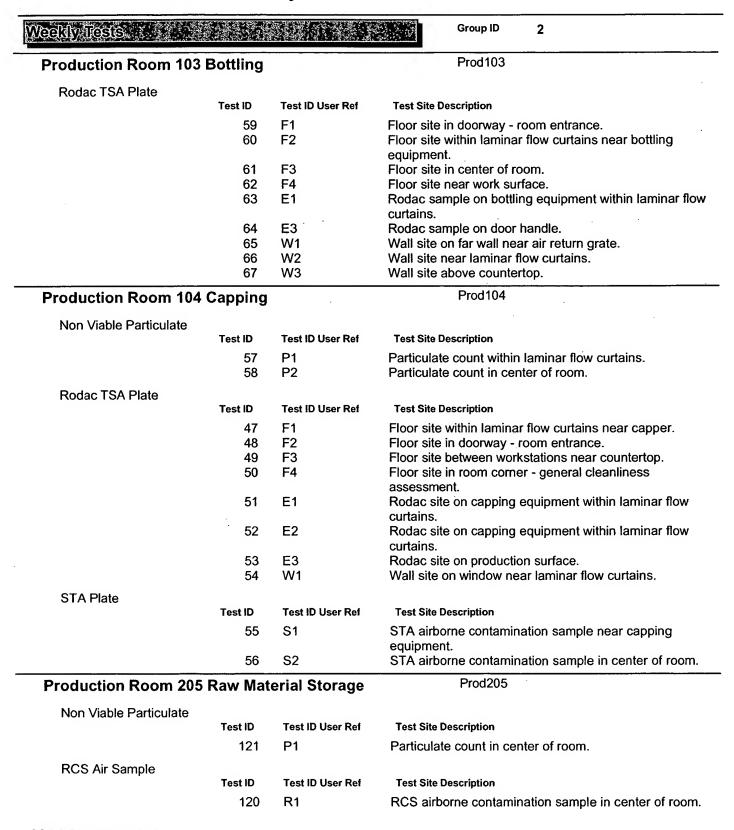
Croup Assignments

Report Date:

10/20/99

Facility:

EMS Test Facility



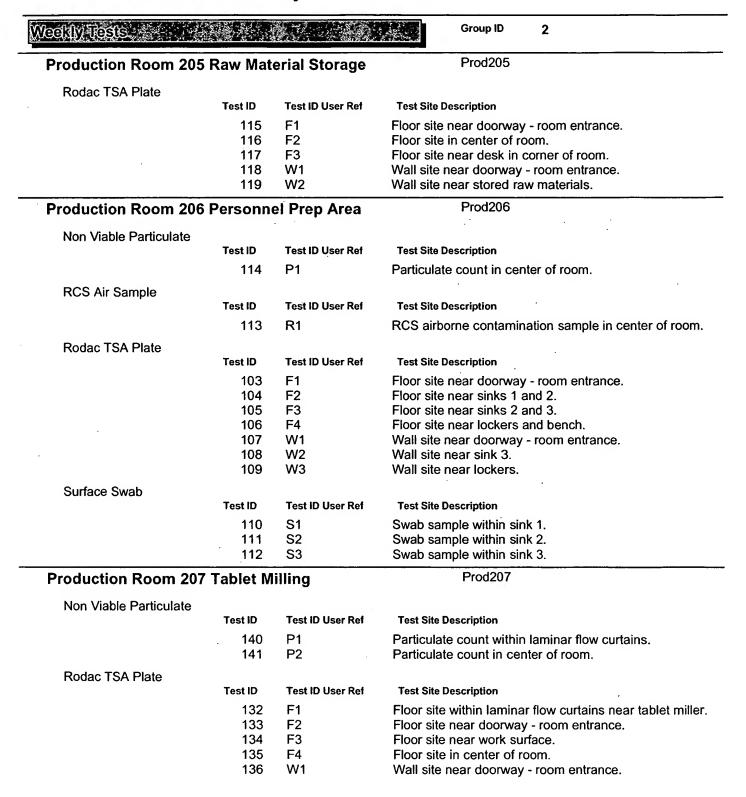
Group Assignments:

Report Date: 10

10/20/99



EMS T st Facility



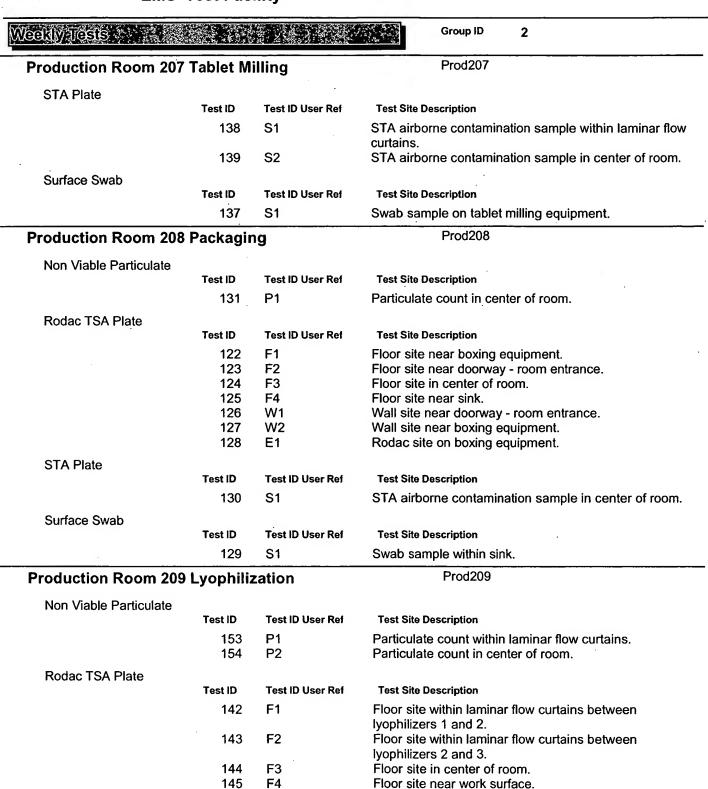
Environmental Monitoring

Syst m

Report Date: 10/20/99



EMS Test Facility



W₁

Wall site near doorway - room entrance.

146

· Croud Assignments ;

Environm ntal Monitoring

Syst m

Report Date: 10/20/99



EMS Test Facility



Group ID

2

Coup Assignations

Production Room 20	9 Lyophiliz	zation	Prod209					
Rodac TSA Plate								
	Test ID	Test ID User Ref	Test Site Description					
	147	W2	Wall site above work surface.					
	148	E1	Equipment site on the door of lyophilizer 1.					
	149	E2	Equipment site on the door of lyophilizer 2.					
	150	E3	Equipment site on the door of lyophilizer 3.					
STA Plate			·					
	Test ID	Test ID User Ref	Test Site Description					
	151	S1	STA airborne contamination sample within laminar flow curtains.					
	152	S2	STA airborne contamination sample in center of room.					

Report Date: 10/20/1999

EMS Test Facility Facility

Room ID

Room Ref No A174

Micro Lab 1 Room Description

Room Classification Class 10.000

Production Area Classification Not Classified

23 (23) 23 (23)	Secrility Suffe
Microbiology Quality Control Laboratory 1 Class 10,000 G124	(D)
	Σ

Action Limits Min Max	40							
Alert Limits Ac Min Max Mi	30							
One A Side N	Yes							
Site Desc	Counter		Floor				Counter	
Classification	Not Classified Not Classified	Not Classified Not Classified		Not Classified	Not Classified	Not Classified		Not Classified Not Classified Not Classified
Test Type	Fallout Plate STA Plate	Rodac TSA Plate Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Non Viable Particulate	Surface Swab Surface Swab RCS Air Sample
	Fallout plate within laminar flow hood. Airborne contamination count taken in center of	Site on work surface of laminar flow hood. Floor site in doorway - room entrance.	Floor site in front of laminar flow hood.	Floor site in doorway - to sterility suite.	Floor site in front of sinks.	Floor site in center of room.	Particulate count taken in room center.	Swab sample within sink 1. Swab sample within sink 2. Touch plate taken on work surface.
Test ID Test ID Ref	- -	Σ.	F2	F3	F4	£	T	S2 ZZ1

10/20/1999 Report Date: **EMS Test Facility**

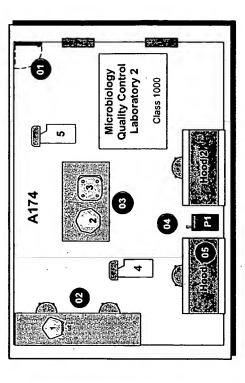
Facility

Room Ref No MicroLab2 A174 S Room ID

Micro Lab2 A174 Room Description

Room Classification Class 10.000

Production Area Classification Class 100



Limits Max	15	9	15	12	15	15	93	7	8	70
Action Limits Min Max			0			0				
mits	13	4	13	10	. 12	12	20	ო	20	15
Alert Limits Min Max			0			0				
One Side	Yes	Yes	ž	Yes	Yes	Š	Yes	Yes	Yes	Yes
Site Desc	Floor	Floor	Floor	Floor	Critical Surface	Critical Surface	Floor	Counter	Counter	Glove
Classification	Not Classified	Class 10,000	Class 100	Class 10,000	Class 100	Not Classified	Class 10	Not Classified	Class 100	Class 10
Test Type	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Non Viable Particulate	STA Plate	Touch Plate
Test Description	Floor in doorway / room entrance	Floor between workstations approx 2 feet in front of work table.	Floor in center of room.	Floor Between hood #1 and hood #2. Sample approx 2 feet in front.	Site on work surface of laminar hood 1.	Site on work surface of laminar hood 2.	Floor in room corner - assess general room cleanliness.	Particulate count taken between laminar flow hoods.	Airborne contamination STA plate in center of room.	Personnel touch plate.
Test ID	9	ო	Ŋ	4	œ	6	^	12	7	10
Test ID Ref	10	05	03	40	90	E2	F5	<u>c</u>	S	1

Report Date: 10/20/1999

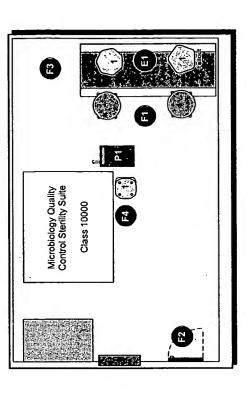
EMS Test Facility Facility

Room Ref No MicroSterility 9 Room ID

Micro Sterility Suite Room Description

Room Classification Class 100.000

Production Area Classification Class 100



Action Limits Min Max	<u>8</u>	1 5	5 2	18	25	႙	30	ιΩ	8
	വ	0	0	വ	0	വ	ю	8	_
Alert Limits Min Max	¥	¥	Σ,	÷	×	25	ř	. •	9
One Side	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Š
Site Desc	Glove	Critical Surface	Counter	Critical Surface	Floor	ssified Floor	Floor	Counter	Water
Classification	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified
Test Type	Touch Plate	Fallout Plate	STA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Non Viable Particulate	Water pH
Test Description	Touch plate taken within laminar flow hood.	Fallout plate taken within laminar flow hood.	STA airborne contamination sample taken in room center.	Site on work surface of laminar flow hood.	Floor site in front of laminar flow hood.	Floor site in doorway - room entrance.	Floor site in room corner - general cleanliness assessment.	Particulate count taken in room center.	Point Of Use site at WFI Drop
Test ID	45	43	44	4	38	36	40	45	1432
Test ID Ref	-	_	-	m	Ē	F2	F3	<u>e</u>	WFI-000-1

Report Date: 10/20/1999

EMS Test Facility

Facility

Room ID

Room Ref No MicroGowning

Room Description

Micro Gowning Area

Room Classification Class 10.000

Production Area Classification Not Classified

P2	
R 2	
3	
Quality ng Area 10000	- X -
Microbiology Quality Control Gowning Area Class 1000 / 10000	
20	9

Action Limits Min Max	40	40	25	20	7	5	20	40	75	9/2	45	65	35
Alert Limits Min Max	20	25	15	15	က	2	40	30	20	<u>2</u>	က က	20	25
One Side	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Site Desc	Floor	Floor	Floor	Floor	Counter	Counter	Counter	Counter	Work Surface	Work Surface	Wall	Wall	Wall
Classification	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified	Not Classified
Test Type	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate	Non Viable	Particulate Non Viable	Particulate RCS Air Sample	RCS Air Sample	Surface Swab	Surface Swab	Rodac TSA Plate	Rodac TSA Plate	Rodac TSA Plate
Test Description	Floor site in doorway - room entrance.	Floor site on wash side of bench designating class	transition area. Floor site on clean site of bench designating class	transition area. Floor site in doorway leading to controlled area.	Particulate count taken in center of wash area.	Particulate count taken in center of clean area.	RCS airborne contamination sample taken in	center of wash area. RCS airborne contamination sample taken in	center of clean area. Swab sample within sink 1.	Swab sample within sink 2.	Wall site near doorway - room entrance.	Wall site on near wall - general cleanliness	assessment. Wall site near door leading to controlled area.
Test ID	25	56	27	78	36	37	34	35	32	33	58	30	31
Test ID	Ē	F2	F3	F4	T	P2	8	R 2	S1	S2	W1	W2	W3

Environmental Monitoring

Backup Survey Worksheet

System
Report Date:
Group Desc. Survey Contol Survey Date: Survey Shift:
Room ID:
Room Descrip Micro Lab

10/20/1999 **Weekly Tests** No.

Facility: EMS T st Facility

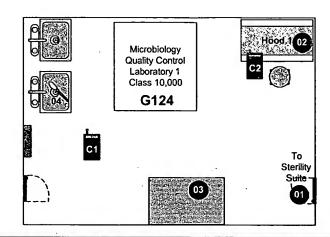
Product: Lot #:

RefNo A174

otion 1

Activity Level

Normal Static



Rodac TSA F		Media Lot
F1 13	Test Site Description TestBy Floor site in doorway - room entrance.	Equipmer ID Sample ID S
F2 . 14	Floor site in front of laminar flow hood.	
F3 15	Floor site in doorway - to sterility suite.	
F4 16	Floor site in front of sinks.	Appropri
F5 17	Floor site in center of room.	
E1 18	Site on work surface of laminar flow hood.	
RCS Air San		•Media Lot
Test ID Ref. Test ID 22 ZZ1 22	TestSite Description TestBy Touch plate taken on work surface.	Equipmet ID: Sample ID:
Non Viable Par		Reading
Test ID Ref Test ID 24	Test Site Description TestBy Particulate count taken in room center.	Equipmet ID ; Sample ID
	De Test Date	Media Lot -
Test ID Ref: AFTest ID 4 1 21	Test Site Description Fallout plate within laminar flow hood.	Equipmet ID Sample ID S
STARTE	9.44 Test Date	Media Lots
Test ID Ref To Test ID 23	Test Site Description TestBy Airborne contamination count taken in center of room.	A STATE OF THE PROPERTY AND A STATE OF THE PARTY AND A STATE OF THE PAR
Reviewed By:	Date:	Page: 1 of 22

Environmental Monitoring				
System				
Report Date:	10/20/1999			
Group Desc. Survey Contol Survey Date: Survey Shift:	Weekly Tests No.			

RefNo

Static

_		

A174

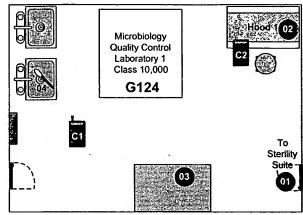
Facility: EMS T st Facility

Product:			
Lot #:	 	 	

Room Description Micro Lab 1

Room ID:

Activity Level Normal



Backup Survey Worksheet

esildire//	STA Plat	e Test Site Description	Test Date Media Lot TestBy Equipmet ID Sample IDs
desub Ref	The Late of State of March 1	vab Test Site Description	Test Date / Media Lot Sample ID Sample ID
S1		Swab sample within sink 1.	
S2	20	Swab sample within sink 2.	

·	 			-	
Reviewed By:	 Date:	 Page:	2	of	22

Backup Survey Worksheet

System	
Report Date:	10/20/1999
Group Desc. Survey Contol Survey Date: Survey Shift:	We kly Tests No.
Room ID:	5 RefNo I
	••

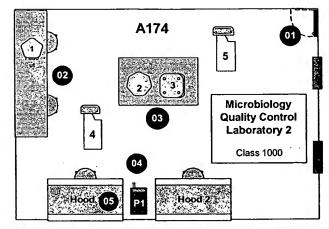
Facility: EMS T st Facility

Product:	
Lot#:	

5 RefNo MicroLab2 A174

Room Description
Micro Lab2 A174

	· · ·	
Activity Level		Normal
		Static



Page: 3

of 22

	odac TSA Plate Media cot
The state of the s	Oddac ISAC Test Date Media Lot
02	3 Floor between workstations approx 2 feet in front of work table.
04	4 Floor Between hood #1 and hood #2. Sample approx 2 feet in front.
03	5 Floor in center of room.
01	6 Floor in doorway / room entrance
05	8 Site on work surface of laminar hood 1.
E2	9 Site on work surface of laminar hood 2.
Non	1 Viable Particulate Test Date Reading
Test ID Ref 🚕 🦼	Test ID Test Site Description Sample ID Sample ID
P1	Particulate count taken between laminar flow hoods.
	Test Date Media Lot Test Date Equipmet ID Sample ID
SETEMP/I BCN.ID.	Test ID Test Site Description FestBy Equipmet ID Sample ID 10 Personnel touch plate.
	ー がSTCAPACOでは、 Media Lot
	Test ID Test Site Description Sample ID
S1	11 Airborne contamination STA plate in
	Certier of room.
	·

Date:

Reviewed By:

Environmental Monitoring

Backup Survey Worksheet

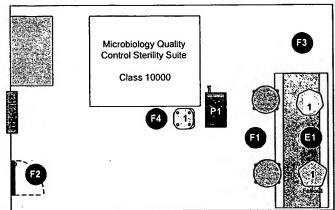
System			
Report Date: 10/2	20/1999	9	
Group Desc. Survey Contol No. Survey Date: Survey Shift:	Wee	ekly Tests	
Room ID:	6	RefNo	Mi

Facility: EMS Test Facility

Product:	
_ot #:	

Room ID:	6	RefNo	MicroSterility	
Room Description Micro Sterility S	Suite			
Activity Level		Norm	nal	

Static



			·		
	Rodac TSAI	A PARTY OF THE PROPERTY OF THE PARTY OF THE	I sTest Date :	Mediā Lotis.	
		Test Site Description	TestBy	Equipmet ID	Sample ID
F1	38	Floor site in front of laminar flow hood.			
F2	39	Floor site in doorway - room entrance.			
F3	40	Floor site in room corner - general cleanliness assessment.			
E1	41	Site on work surface of laminar flow ho	ood.		
		rticulate ;	Ţest Dafe ≥ TestBy	Equipmet ID.	Readings
P1	45	Particulate count taken in room center	,		·
		ate Test Site Description	TestDate TestBy	(Media Lot	Sample ID
% Emp/recn iD.∞	42	Touch plate taken within laminar flow			
		hood.			
		Control of the Contro	Test Date		∌ Sample ID
1		STA airborne contamination sample ta		2.55 January 21.53.Com.	Tatta - 4 45 50 - 10 50 0 7 42 40 40
		in room center.			
	•				

Reviewed By:	1	Date:	Page:	4	of	22
						



Report Date Wednesday, January 16, 2002

Ba		

Genus Desc	Genus/Species ID	Organism Type	Genus/Species Name	Objectionable
Bacteria	2	1	Bacillus stearothermophilis	N
	3	1	Bacillus circulans	N
	4	1	Bacillus cereus	N
	5	1	Bacillus coagulans	Υ
	6	1	Clostridium acetobutyl	N
	7	1	Pseudomonas aeruginosa	N
	8	1	Pseudomonas fluorescens	N
	9	1	Staphylococcus aureus	N
	10	1	Salmonella arizonea	N
	18	1	Bacillus subtillus	Υ
	45	1	New Org ID	Υ
	47	1	Test Organism	N
Total Ba	cteria	12		

Fungi

Genus Desc	Genus/Species ID	Organism Type Genus/Species Name	Objectionable
Fungi	13	4 Fungi NOD	N
Total Fur	ngi	1	

Mold

Genus Desc	Genus/Species ID	Organism Type Genus/Species Name	Objectionable
Mold	12	3 Mold NOD	N
Total Mo	ld	4	

Other

Genus Desc	Genus/Species ID	Organism Type	Genus/Species Name	Objectionable
Other	23	11	Other NOD	N
Total	Other	1		

Yeast

Genus Desc	Genus/Species ID	Organism Type Genus/Species Name	Objectionable
Yeast	11	2 Yeast NOD	N
Total Ye	east	4	

